

20010824.qrp v02_n291.qrl.20010824

Date: Fri, 24 Aug 2001 19:03:07 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2291

QRP-L Digest 2291

Topics covered in this issue include:

- 1) [105586] Slingshots
by "T.W." <wb5qyt@abq.com>
- 2) [105587] Re: Power Supply
by Bruce Muscolino <w6toy@erols.com>
- 3) [105588] Re: Power Supply
by "Karl F. Larsen" <k5di@zianet.com>
- 4) [105589] 12 VDC 2.5 amp power supply
by "Karl F. Larsen" <k5di@zianet.com>
- 5) [105590] RE: Using Double-Run Coax as Balanced Feeders?
by Nick Kennedy <nkennedy@tcainternet.com>
- 6) [105591] W3C Chesapeake Lightship Activity Pictures
by "Ron Polityka" <wb3aal@fast.net>
- 7) [105592] QRP is popular
by "John P. Cummins, Sr." <jpcummins@charter.net>
- 8) [105593] Re: Antenna HELP
by "James R. Duffey" <jamesd1@flash.net>
- 9) [105594] Re: Battery Charging
by "James R. Duffey" <jamesd1@flash.net>
- 10) [105595] Re: QRP is popular
by Phil Wheeler <w7ox@earthlink.net>
- 11) [105596] Re: Using Double-Run Coax as Balanced Feeders?
by "George, W5YR" <w5yr@att.net>
- 12) [105597] Re: [GQRP] G5RV alternative ?
by N1EU <n1eu@yahoo.com>
- 13) [105598] RE: Using Double-Run Coax as Balanced Feeders?
by Nick Kennedy <nkennedy@tcainternet.com>
- 14) [105599] Parts for sale again
by "Brian Murrey" <brian@iquest.net>
- 15) [105600] Re: [GQRP] G5RV alternative ?
by Donald E Sanders <w4bws@juno.com>
- 16) [105601] Re: 1 volt challenge
by "Kenneth Evans" <w4du@mediaone.net>
- 17) [105602] FOX Both are loud
by "Karl F. Larsen" <k5di@zianet.com>
- 18) [105603] Measuring Tape Antenna Question
by "Dennis Payton" <dpayton@fwi.com>
- 19) [105604] FOX: Piece o' cake

- by "David Ek" <ekdave@earthlink.net>
- 20) [105605] Re: QRP is popular
by "N7SG K7FD" <k7fd@hotmail.com>
- 21) [105606] Re: FOX Both are loud
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 22) [105607] Re: QRP is popular
by Phil Wheeler <w7ox@earthlink.net>
- 23) [105608] Re: Using Double-Run Coax as Balanced Feeders?
by "DTX" <dtx@wood.tzo.com>
- 24) [105609] FOX: Wow snagged both!
by "Jason Hissong" <jhisson1@columbus.rr.com>
- 25) [105610] Re: Battery Charging
by David Gauding <david.gauding@bbs.galilei.com>
- 26) [105611] Re: [GQRP] G5RV alternative ?
by Jeff <fantbb@yahoo.com>
- 27) [105612] Re: Slingshots
by Bruce Muscolino <w6toy@erols.com>
- 28) [105613] Riverside QRP Convention is coming fast guys
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 29) [105614] FOX Got one....
by N10DL@aol.com
- 30) [105615] Re: FOX Both are loud
by Bob Nielsen <nielsen@oz.net>
- 31) [105616] Nice little Z-match
by ARDUJENSKI@aol.com
- 32) [105617] Re: FOX Both are loud
by Phil Wheeler <w7ox@earthlink.net>
- 33) [105618] I HAVE TWO 40673
by <mjfitz@uswest.net>
- 34) [105619] FOX -- Defending Honour... :-)
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 35) [105620] Fox- NW7DX's Results
by BenNW7DX@aol.com
- 36) [105621] Fox--N6WG very prelim results
by "Bob Tellefsen" <n6wg@earthlink.net>
- 37) [105622] Tough hunt for Ben the Fox!
by Jack WsixABC <w6abc@yahoo.com>
- 38) [105623] Re: Nice collection antenna articles
by "bam yb0ko/1 SOETRISNO" <unclebam@indosat.net.id>
- 39) [105624] Re: Slingshots N Spuds, Lyle Gun!!! Monkey???
- by Scotty Wright <zydeco9214@yahoo.com>
- 40) [105625] Portable SWL RX on sale!
by lhlousek <lhlousek@nvhbell.net>
- 41) [105626] Re: Portable SWL RX on sale!
by "David B. Rogers" <dr7zyq@nidlink.com>
- 42) [105627] Re: SSS Kits
by "Terres Family" <terresfm@ncia.net>
- 43) [105628] Straight Keys

by Tim ORourke <TORourke@KaiserFT.com>
44) [105629] Looking for a K2
by timcook@erinet.com
45) [105630] Re: Portable SWL RX on sale!
by "Bob" <ara1@trsvr.tr.unisys.com>
46) [105631] Re: SSS Kits
by "Karl F. Larsen" <k5di@zianet.com>
47) [105632] Startup help sought
by "Mike Morrell" <morrellm@ameritech.net>
48) [105633] Re: Slingshots
by "Mike Yetsko" <myetsko@insydesw.com>
49) [105634] Re: Measuring Tape Antenna Question
by "Mike Yetsko" <myetsko@insydesw.com>
50) [105635] RE: Slingshot Line
by W2SH@aol.com
51) [105636] Adding a BFO to a RCVR
by Nick Kennedy <nkennedy@tcainternet.com>
52) [105637] Re: Adding a BFO to a RCVR
by "N7SG K7FD" <k7fd@hotmail.com>
53) [105638] Re: Adding a BFO to a RCVR
by "Brian" <brian@iquest.net>
54) [105639] Re: Adding a BFO to a RCVR
by n2cx@voicenet.com
55) [105640] Colorado QRP Club Summer QSO Party 2001-SUNDAY
by "AB0CD" <ab0cd@uswest.net>
56) [105641] Re: Battery Charging
by "Lee S. Mairs" <lmairs@cox.rr.com>
57) [105642] Re:Startup help sought
by John DiLorenzo <jdilorenzo3301@altavista.com>
58) [105643] R/S DX-398 ATS909 filters
by lhlousek <lhlousek@nvhbell.net>
59) [105644] RE: [CQCLIST] Colorado QRP Club Summer QSO Party 2001-SUNDAY
by "Mugleston, Brad" <brad.mugleston@gwl.com>
60) [105645] Re: Slingshot Line
by Don <dwittlic@APCI.net>
61) [105646] CU2JL . . . Re: QRPP Summer Issue Up For Grabs
by John R Kirby <n3aaz-qrp@juno.com>
62) [105647] TS-930Sat Trade for ??
by Doug Bankston <dougbankston1@yahoo.com>
63) [105648] Re: Startup help sought
by Dragon Singer <WM-Scace@wiu.edu>
64) [105649] Re: Adding a BFO to a RCVR
by "Tom Curtola" <tcurtola@home.com>
65) [105650] MP-1
by Jfelts202@aol.com
66) [105651] Re: Slingshots
by Bruce Muscolino <w6toy@erols.com>
67) [105652] Re: Where to find a 40673? ...and learning how to fish

by "John Mc Donough" <jpm1@bellatlantic.net>
68) [105653] Re: Adding a BFO to a RCVR
by Bruce Muscolino <w6toy@erols.com>
69) [105654] RE: MP-1
by Michael Melland <w9wis@charter.net>
70) [105655] 2N2/40 Build Project
by "Paul Harden, NA5N" <na5n@rt66.com>
71) [105656] HTX-100
by "Juan Ferrari" <puntrad@usa.net>
72) [105657] Re: Adding a BFO to a RCVR
by "Bob" <ara1@trsvr.tr.unisys.com>
73) [105658] Re: Adding a BFO to a RCVR
by "John Dorson" <JDORSON@worldshare.net>
74) [105659] Trade 40673 for MAX232
by n2go@arrl.net
75) [105660] FOX--N6WG Log v1.0
by "Bob Tellefsen" <n6wg@earthlink.net>
76) [105661] RE: Adding a BFO to a RCVR
by Nick Kennedy <nkennedy@tcainternet.com>
77) [105662] Re: Trade 40673 for MAX232
by n2go@arrl.net
78) [105663] New K1 and K2 Option Pictures
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
79) [105664] RE: Adding a BFO to a RCVR
by Nick Kennedy <nkennedy@tcainternet.com>
80) [105665] RE: Slingshots
by Nick Kennedy <nkennedy@tcainternet.com>
81) [105666] RE: Adding a BFO to a RCVR
by Nick Kennedy <nkennedy@tcainternet.com>
82) [105667] Audio AGC Circuit
by "Steven Weber" <kd1jv@moose.ncia.net>
83) [105668] Re: HTX-100
by Bruce Muscolino <w6toy@erols.com>
84) [105669] Re: HTX-100
by "Juan Ferrari" <puntrad@usa.net>
85) [105670] Re: Adding a BFO to a RCVR
by Bruce Muscolino <w6toy@erols.com>
86) [105671] Re: Adding a BFO to a RCVR
by "Bill, N4QA" <n4qa@hotmail.com>
87) [105672] Re: 40673 Caution: techno-babble
by "Dave Benson" <nn1g@earthlink.net>
88) [105673] KC4USV Antartica Operating Schedule 8/25/01
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
89) [105674] Re: Adding a BFO to a RCVR
by "George, W5YR" <w5yr@att.net>
90) [105675] Re: Slingshots
by "Mike Yetsko" <myetsko@insydesw.com>
91) [105676] Re: QRPer N3CDR a silent key

by George Gingell <k3tks@u1.abs.net>
92) [105677] What about Twinax as Balanced Feeders?
by Dave Fouchey <dafouchey@home.com>

Date: Thu, 23 Aug 2001 16:57:40 -0600
From: "T.W." <wb5qyt@abq.com>
To: <qrp-l@lehigh.edu>
Subject: [105586] Slingshots
Message-ID: <MABBIKAEJNPMOAJMBKJJGEAFCDAA.wb5qyt@abq.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Gang,

I really liked Drbob's idea about winding the line on the styrofoam cup! How about getting one of those cone type hiway markers, you know the type we all try to run over, and wind the line on that!

Im still using my PAL(pnuematic antenna launcher) that I built a few years ago. It still works well, and I havent found a tree that was too tall yet! I also use an open face reel that works great.

Back into my hole, 72, Tom WB5QYT..."Have spud will travel!"

Date: Thu, 23 Aug 2001 19:20:47 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [105587] Re: Power Supply
Message-ID: <3B858FCF.1E43769C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I looked at these units this evening. They are switching power supplies. This is not saying they will cause noise in your receiver, but be warned, they can!

73

Date: Thu, 23 Aug 2001 17:51:02 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Bruce Muscolino <w6toy@erols.com>
Cc: <k5di@zianet.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [105588] Re: Power Supply
Message-ID: <Pine.LNX.4.33.0108231749380.3704-1000000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bruce please re-read my message. I explained they DO make detectable noise but the filter seems to work well.

On Thu, 23 Aug 2001, Bruce Muscolino wrote:

> I looked at these units this evening. They are switching power
> supplies. This is not saying they will cause noise in your receiver,
> but be warned, they can!
>
> 73
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 23 Aug 2001 18:10:00 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [105589] 12 VDC 2.5 amp power supply
Message-ID: <Pine.LNX.4.33.0108231807450.3747-1000000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This can be had as part # PS-1225 from All Electronics
1-800-826-5432 for \$10.00 plus shipping. They do make noise that you can
detect but it's very low, and below band noise here.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 23 Aug 2001 19:19:19 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [105590] RE: Using Double-Run Coax as Balanced Feeders?
Message-ID: <01C12C08.82A9A140.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Bill Coleman [SMTP:aa4lr@arrl.net]

>tuner... He is telling everyone he meets that using coax
>like this is low loss just like the open wire line, and I do
>believe I have learned differently right here...

No, he's wrong. All that dielectric over the wire contributes to loss, as does the presence of the grounded sheilds a fraction of an inch away.

>doing this you loose the low-loss advantage that open-wire
>feeders provide for that length where the coax replaces the
>open wire line, right?

Right. But it might be OK to do this for 6 or 8 inches in order to get through a wall.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net

Haven't seen numbers published but I believe twin coax balanced line is reasonably low loss.

Matched line loss probably better than single coax perhaps but not as good as window line, for instance. Advantage is that you don't have to maintain your distance from grounded objects, or the ground itself.

72--Nick, WA5BDU

Date: Thu, 23 Aug 2001 19:46:36 -0400
From: "Ron Polityka" <wb3aal@fast.net>

To: ".HF Pack" <hfpack@yahoo.com>, ".G-QRP Club" <GQRP@egroups.com>, ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>, ". Eastern PA QRP Club" <epaqrp-l@Lehigh.EDU>
Subject: [105591] W3C Chesapeake Lightship Activity Pictures
Message-ID: <006101c12c2d\$da4fd520\$52095cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

If you worked W3C on board the Chesapeake Lightship this past weekend. Check out www.n3epa.org for some pictures of the Special Event.

We made 461 QSO's in a 20 hour period.
FYI: We were running 100 watts, sorry! :-(

We had a lot of Fun running this Special Event. I am making plans for next year already.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
<http://www.n3epa.org>
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	ARS # 380
HI QRP #153	VA QRP Society #45
MI QRP #1703	K2 sn1392
NJ QRP #179	

Date: Thu, 23 Aug 2001 20:29:07 -0400
From: "John P. Cummins, Sr." <jpcummins@charter.net>
To: qrp-l <qrp-l@lehigh.edu>

Subject: [105592] QRP is popular
Message-ID: <3B859FD3.1FF4F900@charter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just saw this on the FT817 list.. so tell me that QRP is not popular..
wonder what the sales in units are for other rigs from all
manufacturers...!!

Pickett, AD4S

.....

Congratulations to Pres Waterman W2PM for starting this Group and
providing gentle guidance in keeping it on course.

At least Lot 36 has been seen now, so the number of FT-817s will
certainly exceed 20,000 units by the end of the year. A real home
run for Yaesu and for us, the users of this great rig!

It will be interesting to see what evolves in the FT-817 world during
the FT817 Group's second year.

72/73 de Barry - W4WB
FT817 Group Co-Moderator

Date: Thu, 23 Aug 2001 18:38:00 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-l@lehigh.edu>, <Ronald_A_Pfeiffer@raytheon.com>
Subject: [105593] Re: Antenna HELP
Message-ID: <B7AAFE07.D036%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Ron - Here is my suggestion for your antennna:

Use an inverted vee monted on top of your house. It should be pretty easy to
put up a 5 or (even better) 10 ft pole at the peak of the house or on the
chimney. Radio Shack has TV masts that will work.

For 40 M only, use a 40 M dipole. Zig zag the ends if you don't have the
space to put them on the roof.

If you want multiband use, use a 44 ft center fed dipole. Feed it with 450

Ohm ladderline. You will need to mount standoffs on the pole. Electric fence standoffs work well. Use a antenna tuner. This will work 40 - 10 pretty good. You can laugh at the other net members.

A 10 foot pole plus the height of the roof, 35 feet, will put the antenna up high enough to do some good. Just getting it out of the attic will help a lot.

Let us know how it works out. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Thu, 23 Aug 2001 18:56:44 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>, <JDORSON@worldshare.net>
Subject: [105594] Re: Battery Charging
Message-ID: <B7AB026C.D037%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

John - It is pretty hard to damage the gel cell batteries if you pay attention to two simple rules:

1. Do not charge at too high a current, usually 0.1 to 0.3 C, where C is the Amp hour capacity of the battery.
2. Do not charge to a voltage over 2.5 V per cell. That is 15 Volts for a "12 Volt" battery.

I think it is probably OK to use your automotive battey charger. Put a Amperemeter in series to monitor the current, and a Voltmeter across the battery to monitor the voltage. As long as you don't exeed the charging current, say 0.25 C, or the maximum Voltage, 15 V, you should be OK.

Sometimes the maximum charging current is listed on the side of the battery.

I have done this before and nothing exploded. :^)= - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road

Cedar Crest, NM 87008

Date: Thu, 23 Aug 2001 18:05:02 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: jpcummins@charter.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105595] Re: QRP is popular
Message-ID: <3B85A83E.D395B623@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well .. I'm not sure the sales prove QRP is Popular (tho it is).

The 817 is partly about "cute". And the all-mode capability for portable ops on VHF/UHF is another factor; and I think portable hill-topping is more a factor than QRP per se for those owners.

I may buy an 817 one of these years .. even though I have an Elecraft K2, a far superior HF QRP rig IMHO. I would buy it for "cute", full HF RX coverage and the portable UHF/VHF features.

Just my \$1.00 worth (inflation, you know).

73, Phil W7OX

"John P. Cummins, Sr." wrote:

>
> Just saw this on the FT817 list.. so tell me that QRP is not popular..
> wonder what the sales in units are for other rigs from all
> manufacturers...!!
>
> Pickett, AD4S
>
>
>
> Congratulations to Pres Waterman W2PM for starting this Group and
> providing gentle guidance in keeping it on course.
>
> At least Lot 36 has been seen now, so the number of FT-817s will
> certainly exceed 20,000 units by the end of the year. A real home
> run for Yaesu and for us, the users of this great rig!
>
> It will be interesting to see what evolves in the FT-817 world during
> the FT817 Group's second year.

>
> 72/73 de Barry - W4WB
> FT817 Group Co-Moderator

Date: Thu, 23 Aug 2001 20:12:59 -0500
From: "George, W5YR" <w5yr@att.net>
To: nkennedy@tcainternet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [105596] Re: Using Double-Run Coax as Balanced Feeders?
Message-ID: <3B85AA1B.625097F4@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And the two coax can run anywhere you need to get from Point A to Point B.
In other words, the spacing between the two coaxes does not enter into the
operation of the line. They do not have to be tied together or whatever.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Nick Kennedy wrote:

> Matched line loss probably better than single coax perhaps but not as good
> as window line, for instance. Advantage is that you don't have to maintain
> your distance from grounded objects, or the ground itself.

Date: Thu, 23 Aug 2001 18:16:24 -0700 (PDT)
From: N1EU <n1eu@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [105597] Re: [GQRP] G5RV alternative ?
Message-ID: <20010824011624.10506.qmail@web14609.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

"Jeff
Thanks for sharing those results. It also says that if
you need to feed with
coax into the shack you won't lose much whether 44ft
doublet or 1/2 size G5RV
if I am reading you right"

Gentlemen: I would strongly question some of these conclusions. I urge you to download the nifty little G5RV analysis program from
<http://www.btinternet.com/~g4fgq.regp/page3.html>

Among other things, a 44 ft dipole fed directly with 75ft coax makes a very inefficient antenna for 40 meters (perhaps 4% efficient due to huge loss in coax), while a half size G5RV (51 ft dipole with 17ft balanced feed section and 75ft coax) is easily 56% efficient.

GL/73,
Barry N1EU

Do You Yahoo!?

Make international calls for as low as \$.04/minute with Yahoo! Messenger
<http://phonecard.yahoo.com/>

Date: Thu, 23 Aug 2001 20:45:04 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'George, W5YR'" <w5yr@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105598] RE: Using Double-Run Coax as Balanced Feeders?
Message-ID: <01C12C14.7D926A00.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

How about that? I just assumed they'd have to be in intimate contact--taped together or something.

72--Nick, WA5BDU

-----Original Message-----

From: George, W5YR [SMTP:w5yr@att.net]

And the two coax can run anywhere you need to get from Point A to Point B. In other words, the spacing between the two coaxes does not enter into the operation of the line. They do not have to be tied together or whatever.

Date: Thu, 23 Aug 2001 21:01:12 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "pigs" <fpqrp-l@mpna.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [105599] Parts for sale again
Message-ID: <005801c12c40\$a78c3f80\$3b302bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have scrounged up a big quantity of .1 uF Polyester/Metal Film caps. These, according to the databook, are equal to ceramic disk caps in all uses. These are NOT NPO caps. Made by S+M Components.

How about 50 for \$3 or 100 for \$5.00 500 for \$20.00 (they're abt 15 cents each from Mouser) I ship in a 4 by 7 padded envelope.

These are .1 uF, 10%, rated at 250v - New Stock, on paper tape, nice long leads. Good for bypass caps I am told. That's what I have used them for.

I still have BNC chassis connectors for

25 for \$12.40
50 for \$21.00
100 for \$36.00
500 for \$138.00

I also have:

LM7808CT voltage regulators. T0220 case. 5 for \$4.50
LM7812T voltage regulators. T0220 case. 5 for \$4.50

Little trim caps 3-30pF I have 25 to sell. How about \$8.00 inc shipping.

Let me know if you're interested. All prices are post paid to the USA.

73

=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Member of the American Radio Relay League - SOC #400
FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====

Date: Thu, 23 Aug 2001 21:56:16 -0400
From: Donald E Sanders <w4bws@juno.com>
To: n1eu@yahoo.com
Cc: qrp-1@Lehigh.EDU
Subject: [105600] Re: [GQRP] G5RV alternative ?
Message-ID: <20010823.215622.-242917.0.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I reread the original post and he stated he fed the 44 ft dipole with 300 ohm line not 75 feet of coax. That should be fairly effecient with a low loss match box at the transmitter.

BTW: I built an old favorite the MULTI TEE antenna for 40 and 20 as a portable antenna. I used a 20 foot telescoping pole mounted on the end of a 16 foot telescoping paint pole for a mast. The paint pole slides inside a length of plastic pipe that is pushed into the sand about 2 feet- An advantage to living in Florida.

The vertical portion is 13 foot long and the flat top portion is about 20 foot long. All made out of 300 ohm line. It has 8 radials 33 foot long at the base of the vertical portion that act as guys for the poles. The antenna works as a dipole on 20 and on 40 as a top loaded vertical. It is fed with 50 ohm coax with NO antenna tuner needed on 40 or 20. On 30 my ZM-2 loads it very well. I wonder if anyone else has tried this antenna and if your results were as good as mine..

Don W4BWS

On Thu, 23 Aug 2001 18:16:24 -0700 (PDT) N1EU <n1eu@yahoo.com> writes:

> "Jeff
> Thanks for sharing those results. It also says that if
> you need to feed with
> coax into the shack you won't lose much whether 44ft
> doublet or 1/2 size G5RV
> if I am reading you right"
>
>

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Date: Fri, 24 Aug 2001 02:15:36 +0100
From: "Kenneth Evans" <w4du@mediaone.net>
To: "QRP-1 Discussion" <qrp-1@Lehigh.EDU>, <wb8zcc@one.net>
Subject: [105601] Re: 1 volt challenge
Message-ID: <007b01c12c3a\$4d160aa0\$6601a8c0@atl.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Russ,
The 1 volt challenge was one of the design and building contest at FIDM
2000. The July 2000 issue of the QRP Quarterly has articles on two of them.
"The Homeba - A 100MW Single Cell CW Transceiver" by G4DFV; and "The 1 Volt
QRP Transceiver"- by DL2AVH and DL4ALJ. The Homeba is a 30 meter rig and
the DL is for 20 meters.

72/3,
Ken W4DU
QRP ARCI #696, GQRP, NOGA, NORCAL, ARRL-Life

Date: Thu, 23 Aug 2001 20:28:34 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [105602] FOX Both are loud
Message-ID: <Pine.LNX.4.33.0108232022560.4063-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

At least South NM has the propagation tonight. But hear NW7DX
getting louder and working stations like 2 or 3 a minute. But now at 0225
it is slowing down. Ben is using the computer and he is running about 30+
wpm but slows down for old moss backs like me. He is on 14.0548 on my
dial.

Bob is a country gentelman. N6WG is working at 14.061 as
advertised and ripping along at 20 wpm so we had a nice QS0.

Now hear Ben working w1 stations so looks as if the band is in good shape.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 23 Aug 2001 21:37:16 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-l@Lehigh.EDU>
Subject: [105603] Measuring Tape Antenna Question
Message-ID: <000701c12c45\$b1b24360\$a8a854d1@locke>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Today I ran into a good quality and fairly small 100' measuring tape on sale and couldn't pass it up. Since my favorite portable antenna is an end fed half wave wire, I thought I could do something with it.

It would be the most versitile if I could hook the rig to the coiled end, instead of the tip of the tape. In other words, if I have 67' of "antenna" paid out, the transmitted signal goes from the rig, through 33' of coiled tape to the 67' end fed half wave.

I fear the coiled tape would act like a choke or part of the antenna and either block or attenuate the signal, but hope it would capacitively couple through the coiled tape and be of little consequence. Would somebody advise me on this?

Thanks,

Denny Payton, N9JXY
Auburn, IN

Date: Thu, 23 Aug 2001 20:42:22 -0600
From: "David Ek" <ekdave@earthlink.net>
To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [105604] FOX: Piece o' cake
Message-ID: <000901c12c46\$692bde20\$0100a8c0@oldman>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Wow--bagged both foxes in the first nine minutes. I don't think I called both foxes together even five times! Of course, we all know that this is an obvious result of my superior fox hunting skills.

...

Okay, now that you've all had a chance to catch your breath after doubling over with laughter, I can admit that CA and WA are usually pretty easy pickin's from CO... Nice to be able to *hear* the foxes for a change. ;-)

So, now what do I do with the rest of the evening?

73 de Dave NK0E

Date: Thu, 23 Aug 2001 19:43:19 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [105605] Re: QRP is popular
Message-ID: <F195LVbNDN4CxpAOAkK0000ed13@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I pretty much agree with Phil; and I wouldn't be surprised to see a lot of these come up for resale soon, especially from discouraged HF'ers. QRP is not for everyone...as many of these op's will learn. It's takes a certain kind of nutcase to enjoy the finer side of qrp... ;)

Unlike Phil, I won't be buying one now or in the future. The thing is ugly.

73 John K7FD

>From: Phil Wheeler <w7ox@earthlink.net>
>
>Well .. I'm not sure the sales prove QRP is Popular (tho it is).
>
>The 817 is partly about "cute". And the all-mode capability for

>portable ops on VHF/UHF is another factor; and I think portable
>hill-topping is more a factor than QRP per se for those owners.
>
>I may buy an 817 one of these years .. even though I have an Elecraft
>K2, a far superior HF QRP rig IMHO. I would buy it for "cute", full HF
>RX coverage and the portable UHF/VHF features.
>
>Just my \$1.00 worth (inflation, you know).
>
>73, Phil W70X
>
>"John P. Cummins, Sr." wrote:
> >
> > Just saw this on the FT817 list.. so tell me that QRP is not popular..
> > wonder what the sales in units are for other rigs from all
> > manufacturers...!!
> >
> > Pickett, AD4S
> >
> >
> >
> > Congratulations to Pres Waterman W2PM for starting this Group and
> > providing gentle guidance in keeping it on course.
> >
> > At least Lot 36 has been seen now, so the number of FT-817s will
> > certainly exceed 20,000 units by the end of the year. A real home
> > run for Yaesu and for us, the users of this great rig!
> >
> > It will be interesting to see what evolves in the FT-817 world during
> > the FT817 Group's second year.
> >
> > 72/73 de Barry - W4WB
> > FT817 Group Co-Moderator

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Date: Thu, 23 Aug 2001 21:42:19 -0500
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [105606] Re: FOX Both are loud
Message-ID: <200108240242.AA00320@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Not near so loud up this way. Must be because Doc isn't heating the aether tonight. :-) Got Bob OK, and *think* I got Ben OK (he was having trouble getting ND for the state, and QSB took him down far enough that I didn't hear his final ack). Will wait 'til later and try Ben again, just to be sure. :-) He's starting to come back up again, so might not have *too* long to wait... :-)

72/73,

Todd, AG0T

Date: Thu, 23 Aug 2001 19:46:25 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: k7fd@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105607] Re: QRP is popular
Message-ID: <3B85C001.F21784F5@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

N7SG K7FD wrote:

>
> I pretty much agree with Phil; and I wouldn't be surprised to see a lot of
> these come up for resale soon, especially from discouraged HF'ers. QRP is
> not for everyone...as many of these op's will learn. It's takes a certain
> kind of nutcase to enjoy the finer side of qrp... ;))
>
> Unlike Phil, I won't be buying one now or in the future. The thing is ugly.
>

I'm waiting for the MkII model: Built in antenna tuner, etc. :-;

But I think it is sooo cute :-o

73, Phil

Date: Thu, 23 Aug 2001 20:07:25 -0700
From: "DTX" <dtx@wood.tzo.com>

To: <nkennedy@tcainternet.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [105608] Re: Using Double-Run Coax as Balanced Feeders?

Message-ID: <00b201c12c49\$e6bc0100\$0c00a8c0@home>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Oh heavens no. A perfect example of the one on the left not knowing what the one on the right is doing, or that he is even there ;-) But it poses a secondary question I had never thought about before: does each piece have to be the same length? My intuition says yes, but it has been wrong once or twice in the past.

Gary

----- Original Message -----

From: "Nick Kennedy" <nkennedy@tcainternet.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, August 23, 2001 6:45 PM

Subject: RE: Using Double-Run Coax as Balanced Feeders?

> How about that? I just assumed they'd have to be in intimate contact--taped together or something.

>

> 72--Nick, WA5BDU

>

> -----Original Message-----

> From: George, W5YR [SMTP:w5yr@att.net]

>

> And the two coax can run anywhere you need to get from Point A to Point B.

> In other words, the spacing between the two coaxes does not enter into the

> operation of the line. They do not have to be tied together or whatever.

>

>

>

Date: Thu, 23 Aug 2001 23:09:17 -0400

From: "Jason Hissong" <jhisson1@columbus.rr.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [105609] FOX: Wow snagged both!

Message-ID: <003c01c12c4a\$2a674ea0\$6401a8c0@columbus.rr.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It took me a while to get Bob... he was down in the muck here in Ohio. It is kinda fun twiddling around with the RIT to work "split" on the 400... After about 15 calls, I got em! Sly little fox... there was quite a few hounds after em...

Two minutes later, worked Ben.... He was coming in strong. There was some SSB QSB next to him but he was able to peek through it FB. Actually, I hear some voice signals on the lower part of 20 meters. I do not remember hearing that before....

First time bagging both! This was a good evening...

73/72 de N8XE
Jason

"For the scientist who has lived by his faith in the power of reason, the story ends like a bad dream. He has scaled the mountains of ignorance; he is about to conquer the highest peak; as he pulls himself over the final rock, he is greeted by a band of theologians who have been sitting there for centuries."

Dr. Robert Jastrow
Founder of NASA's Institute for Space Studies

Date: Thu, 23 Aug 2001 22:05:30 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-1@lehigh.edu
Cc: JDORSON@worldshare.net
Subject: [105610] Re: Battery Charging
Message-ID: <5.1.0.14.0.20010823133615.0269ec70@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello John,

I have been charging small gel-cell batteries with wall-warts for years. A

truly non-standard approach but it works for me.

I use 12VDC, 4 amp hour gel-cells for running my old Argonauts, Argosy or HW-8, at home and in the field. They are "pulls" from structure or computer alarm systems and provided gratis by a member of the St. Louis QRP Society. "Battery Nights" are real popular here! <g>

I finally popped for one of those 4.5 amp hour batteries with charger in a padded case sold by RS(?) a few months back. That's the first gel-cell battery I ever paid money for! <g>

I use a 500 mA wall-wart when I'm in a hurry. And a 200 mA example for routine charging. They are flea-market or garage-sale specials from defunct cordless phones.

I let the gel-cells drop down to about 11.2V(+/-) under load (key down) before charging. And, I try to do that fairly promptly after using the battery. Leaving them sit around in a discharged state is the kiss-of-death, in my experience.

The formula is real simple, i.e. amp hour rating divided by milliamps. A 4 amp hour battery gets charged for twenty hours at 200 ma. Or, eight hours at 500 ma.

If it appears that I will not be there to remove the charger at the appointed time I just grit my teeth and promise to do better next time. I keep this to a minimum with the 500 mA rating. If I suspect in advance that a delay is possible the nod usually goes to the more forgiving 200 ma charger.

When the batteries get near the end of the calculated charging time the voltage is usually right around 14.6 to 14.8 VDC.

I have an old 4 amp hour Power-Sonic on the 200 mA charger as I type this. The alarm company scribble on the case says it was first installed in 1/96. There are two more here with 7/96 notes. I got these in 1997 and they have been cycled many, many times over the years. When pulled off the charger and allowed to sit for a few minutes these older batteries will measure 12.8V to 13.0V.

Not all is rosy, however. I've have several freebie batteries in the garage waiting to go to the recyclers. They simply died with no warning. For peace of mind, I always take along a spare gel-cell when operating portable with the commercial rigs.

Hope this quick & dirty and real cheap approach will be helpful to you, John.

Regards,

de Dave, NF0R nf0r@slacc.com

Date: Thu, 23 Aug 2001 20:19:40 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: GQRP GQRP <gqrp@onelist.com>, qrp qrp <qrp-1@lehigh.edu>
Subject: [105611] Re: [GQRP] G5RV alternative ?
Message-ID: <20010824031940.4917.qmail@web10003.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- N1EU <n1eu@yahoo.com> wrote:
> "Jeff
> Thanks for sharing those results. It also says that
> if
> you need to feed with
> coax into the shack you won't lose much whether 44ft
> doublet or 1/2 size G5RV
> if I am reading you right"

> Among other things, a 44 ft dipole fed directly with
> 75ft coax makes a very inefficient antenna for 40
> meters (perhaps 4% efficient due to huge loss in

Feeding the 44 foot doublet directly with coax would indeed make for a very inefficient antenna as it's meant to be fed with 300 ohm twinlead. There would be large losses in the coax itself due to the high SWRs. I was assuming he meant using coax for only the last few feet into his shack. For a short of run of good quality coax there wouldn't be that much loss.

> coax), while a half size G5RV (51 ft dipole with
> 17ft
> balanced feed section and 75ft coax) is easily 56%

> efficient.

The G5RV would only have a really large loss on 15 meters and that if you used 50 feet or more of poor quality coax. If you used 25 feet or less of good quality coax you would be OK . The loss in the coax would be around 2-3 db in that case. The losses on the other bands in the coax are around 1-2db.

73!

Jeff

=====

AB6MB

NorCal QRP Club #65, QRP-L #1780, ARCI 10071

Radical FIST Member 6798

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Date: Thu, 23 Aug 2001 23:20:03 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: wb5qyt@abq.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [105612] Re: Slingshots
Message-ID: <3B85C7E3.F8E8CD6A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>From experience. There is a limit to the amount of line you can pull off a form. Using a slingshot and winding the coil on a plastic drinking glass I can pull about 40 to 50 feet of # 26 magnet wire. This is capturing the wire at three spots on the form, using double sided sticky tape.

If you use a spud gun you can probably pull more wire or line. It is a much more powerful device. It is also probably illegal in most Eastern states!

73

Date: Thu, 23 Aug 2001 19:22:07 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@Lehigh.EDU>
Subject: [105613] Riverside QRP Convention is coming fast guys
Message-ID: <01c12c43\$930cb8c0\$330b0d0a@doug.dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Man, I checked the calendar and can't believe how fast the Riverside SW Division ARRL QRP Forum Doohicky, Convention and Fun time is approaching. Gonna be a lot of big time guys there for sure. This is the first time that Jim Cates and I have had the pleasure of appearing in Southern California, and we are really looking forward to visiting our water (joke, guys, joke). Jim is bringing along a slew of rare QRP stuff from his collection, and that alone is worth the trip. I will be the first speaker on the dias (don't have to follow anybody, grin) and we will have Jim Duffey, Chuck Adams, Eric Swartz, Wayne Burdick, Vern Wright and Barry Geipel. Quite a line up of guys. This is the first time for the Lake Perris Group to have a QRP event, and I bet it won't be the last. They have a great venue, and lots of fun planned.

Dave Fifield and I will be driving down on Thursday night hopefully, and we are trying to entice Paul Maciel to come. Gonna be a whole bunch of QRPers from this list there. Sure can't wait to see the guys again. Jerry Parker is doing the badges, and if you check the NorCal Web Page he has a place for you to sign up and get a badge. Jerry is one of the unsung heroes of QRP, does the NorCal page, and badges for every major QRP event. Great guy. He too, will be there. When you meet him, take a moment to let him know how much you appreciate all that he does for NorCal and QRPP.

I just went to the NorCal page and downloaded a list of registered guys. Here it is:

W1RFI Ed Hare - ARRL guy
K6BNC William Chambers
KD6CC Roger McCarty - Long time SoCal QRPer and designer
AD6CW Jim Lowman - One of the wheels putting this one on
KI6DS Doug Hendricks - QRPP Editor, QRP Hall of Famer
KQ6DS Norm Melick - the original "NORM"
KG6EDB Ann Palmer - The lady who sells the neat keys and t-shirts
KB6EXF Seiko Kasahara
KB6EZP Ron Toering
KF6FMD Bob Ridley
N6GA Cam Hartford - Famous Zuni Looper and super operator
WA6GER Jim Cates - QRP Hall of Famer, co founder of NorCal

WA6HHQ Eric Swartz - Elecraft cofounder, K2 - K1 fame
AD6HR Barry Geipel - PSK31 EXPERT!!
WB6JDH Richard Palmer - Ann's husband, and one of the organizers
W6JJZ Charlie Lofgren - The designer of the BLT and the world's expert on
tuners
N6KR Wayne Burdick - cofounder of Elecraft, QRP Hall of Famer
KF6ML Sam Imai - Samarai Sam, Head Cook of the Zuni Loop Crew
W6MMA Vern Wright - Mr. Super Antenna, inventor of the MP-1 antenna
KF6MYN Joe Parisella
AE6N Jim Varner
W7QO Chuck Adams - QRP Hall of Famer, Founded QRP-L
WR6S Pat Jasper
W6TKV Fred Roberts
K6WHP William Phinizy - One of the guys working like crazy to make this
thing a success
W6YBS Judy Lowman - Jim's lovely wife, and a tireless worker for the cause
N7DW Russ Dow - Russ used to be at every NorCal meeting, then he moved
"south" on us, looking forward to seeing him again.
N7HPR Steve Bible - takes bicycle mobile to the extreme, grin.

Hope to see you there, I will be the short bald guy with thick glasses and a
huge grin on my face having fun. 72, Doug

Date: Thu, 23 Aug 2001 23:28:15 EDT
From: N10DL@aol.com
To: qrp-l@lehigh.edu, fpqrp-l@mpna.com
Subject: [105614] FOX Got one....
Message-ID: <10d.4a3a640.28b723cf@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Tried for NW7DX and got him on the 4th try. Give him a lot of credit for
pulling me out of the crud. took him a few tries.....Never did hear the
second FOX.....Very glad to get one.

Aron
N10DL
Bedford, NH

Date: Thu, 23 Aug 2001 20:34:08 -0700
From: Bob Nielsen <nielsen@oz.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105615] Re: FOX Both are loud
Message-ID: <20010823203408.B3912@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Thu, Aug 23, 2001 at 08:28:34PM -0600, Karl F. Larsen wrote:

>
> At least South NM has the propogation tonight. But hear NW7DX
> getting louder and working stations like 2 or 3 a minute. But now at 0225
> it is slowing down. Ben is using the computer and he is running about 30+
> wpm but slows down for old moss backs like me. He is on 14.0548 on my
> dial.
>
> Bob is a country gentelman. N6WG is working at 14.061 as
> advertised and ripping along at 20 wpm so we had a nice QSO.
>
> Now hear Ben working w1 stations so looks as if the band is in
> good shape.

It depends on location, as always. Ben was slightly above ESP level,
but after several tries he did come back to me. I have yet to hear
Bob, but there is still a half hour, so I'll keep trying. Several of
the hounds were quite loud.

Bob, N7XY

Date: Thu, 23 Aug 2001 23:50:57 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [105616] Nice little Z-match
Message-ID: <18.113cfb7f.28b72921@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

This might be just what you are looking for--Alan KB7MBI

<http://www.qsl.net/wb3gck/zmatch.htm>

Date: Thu, 23 Aug 2001 20:55:44 -0700
From: Phil Wheeler <w7ox@earthlink.net>

To: enders@bolshoi.cc.misu.nodak.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105617] Re: FOX Both are loud
Message-ID: <3B85D040.F3292686@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Todd Enders wrote:

>
> Not near so loud up this way. Must be because Doc isn't
> heating the aether tonight. :-)

Likely hunting sable pelts in the Ukraine.

Phil

Date: Thu, 23 Aug 2001 23:05:22 -0500
From: <mjfitz@uswest.net>
To: qrp-1@Lehigh.EDU
Subject: [105618] I HAVE TWO 40673
Message-ID: <3B85D282.4599ABFD@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

AVAILABLE FOR \$10,000 each...two 40673 MOSFETs... sealed in
foil for over 25 years. Will also consider trade for
low-milage German automobile, perfer BMW or Mercedes.

Mike NOMF

Date: Thu, 23 Aug 2001 23:18:45 -0500
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [105619] FOX -- Defending Honour... :-)
Message-ID: <200108240418.AA00601@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

In Doc's absence, I pretty much *had* to work both foxii

tonight, to defend the honour of ND QRPers. :-) Was nice when Ben came up enough to overcome the QRN, carrier on his freq, SSB traffic, etc., etc., to give me a "b4" when I called him. :-) Unfortunately, due to other obligations next week, I won't be able to make the final hunt. :-(Will certainly be there in spirit, though! :-)

72/73,

Todd, AG0T

Date: Fri, 24 Aug 2001 00:31:33 EDT
From: BenNW7DX@aol.com
To: <qrp-1@lehigh.edu>
Subject: [105620] Fox- NW7DX's Results
Message-ID: <140.63226c.28b732a7@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Thanks everyone for another successful hunt! The local rain and thunderstorms here created quite a bit of noise on the band. I was constantly switching between my loop and doublet to pick out those weak stations. I was surprised at the variation of signals over the 2 hours. There were some signals that were nearly 10 over, while others were just b-a-r-e-l-y in there :) I worked 3 qrpp stations, who were running 100mw and 70mw and they had excellent signals! I was suprised to only work one california station. I wasn't able to reach N6WG.

At the start of the hunt, I had a lot of fun watching the rate meter. I was above 100 q/h for a little bit!

Below is my log. Its not in the correct format, but i'll fix that tomorrow. Let me know if there are any errors. I tried my best to copy between the static crashes, but am sure I missed a letter or two somewhere. Thanks again!

=

02:00	1	NQ7X	599	559 FLOYD 5W	AZ
02:01	2	N5TW	599	559 TOM 5W	TX
02:02	3	N1EU	599	559 BARRY 5W	NY
02:02	4	W9XU	599	559 LON 5W	WI
02:03	5	K5AAR	599	559 DON 5W	OK
02:04	6	NK0E	599	559 DAVE 5W	CO
02:04	7	K5YU	599	559 HARV 5W	TX
02:05	8	N9AW	599	559 JERRY 5W	WI
02:06	9	K5JHP	599	559 BILL 5W	TX
02:06	10	WA9TZE	599	559 JIM 5W	WI
02:07	11	N5IB	599	559 JIM 5W	LA
02:08	12	N1TP	599	559 TOM 5W	FL

02:08	13	K8CV	599	559	WALT 5W	MI
02:09	14	K4FB	599	559	PAUL 5W	FL
02:10	15	W8RU	599	559	RON 5W	MI
02:10	16	AA50	599	559	VERN 5W	LA
02:11	17	N4ROA	599	579	DAN 5W	VA
02:12	18	K4MF	599	559	GARY 5W	FL
02:13	19	W9UQB/7	599	559	MIKE 5W	AZ
02:13	20	W9HL	599	559	RANDY 5W	IL
02:14	21	K4GT	599	559	JIM 5W	GA
02:15	22	W5USJ	599	559	CHUCK 5W	TX
02:15	23	W4DU	599	569	KEN 5W	GA
02:16	24	K5DI	599	589	KARL 5W	NM
02:16	25	K5EOA	599	559	WAYNE 5W	LA
02:17	26	W7ILW	599	559	WALT 5W	AZ
02:18	27	N2WW	599	559	LARRY 5W	CO
02:19	28	KB9YIG	599	559	TONY 5W	IN
02:19	29	N9NE	599	579	TODD 100MW	WI
02:20	30	N1FN	599	559	ET 5W	CO
02:20	31	AF4PS	599	559	MAC 3W	FL
02:21	32	AC5JH	599	559	TOM 5W	OK
02:21	33	K5BGB	599	559	ROD 5W	TX
02:22	34	K4TJD	599	559	TOM 5W	GA
02:23	35	WE9K	599	599	GLENN 5W	WI
02:23	36	K9IUA	599	559	KEVIN 5W	IA
02:24	37	K4BYF	599	559	JACK 5W	FL
02:24	38	W5YR	599	559	GEORGE 5W	TX
02:25	39	K1VP	599	559	ED 5W	NH
02:26	40	W0CH	599	559	DAVE 5W	MO
02:27	41	KS5A	599	559	DAVE 50W	AZ
02:28	42	NV4V	599	559	PETE 5W	KY
02:28	43	AA7EQ	599	559	BOB 5W	AZ
02:29	44	N4SO	599	599	KEN 5W	FL
02:29	45	K5LN	599	559	BILL 5W	TX
02:30	46	N0DSP	599	559	TOM 5W	CO
02:31	47	NM5M	599	559	ERIC 5W	TX
02:32	48	AG0T	599	559	TODD 5W	ND
02:34	49	AD4J	599	559	JIM 5W	GA
02:35	50	N7XY	599	559	BOB 5W	WA
02:36	51	N10DL	599	589	ARON 4W	NH
02:38	52	N0TK	599	559	DAN 4W	CO
02:40	53	KG4FSN	599	559	JUAN 5W	FL
02:41	54	KJ0C	599	559	JIM 5W	MO
02:43	55	KA1DDB	599	559	MIKE 5W	MI
02:43	56	W5TB	599	559	DOC 5W	TX

02:45	57	WD4MSM	599	559	BARRY 5W	IN
02:47	58	N3ZPQ	599	449	FRANK 4W	OH
02:50	59	K1KID	599	559	CARL 4W	MA
02:51	60	AJ9U	599	559	BOB 5W	WI
02:54	61	N5YFC	599	559	WAYNE 5W	LA
02:55	62	K5DW	599	559	DON 5W	TX
02:56	63	AL7FS	599	559	JIM 5W	AK
02:57	64	K3NG	599	559	GOODY 5W	PA
02:57	65	N3AO	599	559	CARTER 5W	PA
02:58	66	W0JOE	599	559	JOE 70MW	MO
02:59	67	N0EA	599	559	WAYNE 70MW	MO
03:00	68	N8XE	599	599	JASON 5W	OH
03:01	69	KC1FB	599	559	JIM 3W	CT
03:05	70	W2XN	599	559	FRED 5W	FL
03:06	71	VE1MT	599	559	LAYTON 5W	NS
03:08	72	NK9G	599	559	RICK 4W	WI
03:14	73	AA4LR	599	559	BILL 5W	GA
03:17	74	W6ABC	599	559	JACK 5W	CA
03:18	75	N5JI	599	559	RICH 5W	TX
03:31	76	N6LIF	599	559	MARTIN 5W	TX
03:34	77	N0HRL	599	559	KEN 5W	MN
03:38	78	AA3UR	599	559	DAVE 5W	PA
03:41	79	VA6RF	599	559	EARL 5W	AB
03:43	80	VE5RC	599	559	BRUCE 5W	SK
03:53	81	VE6EX	599	559	DAN 5W	AB
03:56	82	AC7CF	599	579	ANDREW 5W	UT
04:00	83	NW7DX	599	599	BEN 5W	WA

73,
Ben - NW7DX

Date: Thu, 23 Aug 2001 21:38:19 -0700
 From: "Bob Tellefsen" <n6wg@earthlink.net>
 To: <qrp-1@Lehigh.EDU>
 Subject: [105621] Fox--N6WG very prelim results
 Message-ID: <MABBJOEABOILMKCJCLFCIEEKCKAA.n6wg@earthlink.net>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

Great run tonight, folks. Sure appreciate all who dropped in, or even tried to squeeze through the door. The place was rocking.

I'll have to post the log tomorrow sometime.

I did make a fast check of my rate, though, on my special paper ratemeter:-)

0200-0215	13	hunters
0216-0230	13	"
0231-0245	13	"
0246-0300	13	"
0301-0315	10	"
0316-0330	3	" band takes a severe dump at this point
0331-0345	2	"
0346-0400	2	"

Bagged a total of 69 hunters (assuming no dupes when I type up log).

Highlight was when Jim AL7FS checked in from AK.

Never heard Ben NW7DX at all, or even foxes calling him.

Thanks all for a great summer season.

73, Bob N6WG

Date: Thu, 23 Aug 2001 21:46:27 -0700 (PDT)
From: Jack WsixABC <w6abc@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [105622] Tough hunt for Ben the Fox!
Message-ID: <20010824044627.57732.qmail@web14203.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Wow...ESP levels for sure on Ben tonight. I too was amazed to see that there was only one California Hound who bagged him...me! For the first hour and some Ben wasn't even there. Then a faint whisper and then a more or less solid signal with a fair amount of QSB. All in all..another 2 for 2 night. If it wasn't for the 2 weeks I had to work nights...this might have been a 100% summer fox hunt season. Oh well, I'll never know. Onward!
Jack W6ABC

=====

Website: <http://home.pacbell.net/friday2k>
QRP-L #2193 K2#1272 K1#37

Do You Yahoo!?

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<http://phonecard.yahoo.com/>

Date: Fri, 24 Aug 2001 11:57:22 +0700
From: "bam yb0ko/1 SOETRISNO" <unclebam@indosat.net.id>
To: <ARDUJENSKI@aol.com>
Cc: "qrp-1" <qrp-1@lehigh.edu>
Subject: [105623] Re: Nice collection antenna articles
Message-ID: <001101c12c59\$68c5f5c0\$d4429bca@kutuimut>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

kb7mbi de yb0ko/1

hi alan,
i tried to download w5rh's articles from bvarc web-site but failed to
download the drawings
(could not even find where are those drawings)

any idea ? or should i try to qso jim kb5v/john kk5nu (the web-masters)
direct ?

72/3 de bam, yb0ko/1

----- Original Message -----

From: <ARDUJENSKI@aol.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, August 23, 2001 10:57 AM
Subject: Nice collection antenna articles

> Here are a nice collection of articles on antennas (not technical) by Rich
> Hiller W5RH, in particular some may find the FRUGAL ANTENNA FARM of
> interest---Alan KB7MBI
>
> <http://www.hal-pc.org/~bvarc/antennas.htm>
>

Date: Thu, 23 Aug 2001 22:22:49 -0700 (PDT)
From: Scotty Wright <zydeco9214@yahoo.com>

To: wb5qyt@abq.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105624] Re: Slingshots N Spuds, Lyle Gun!!! Monkey???
Message-ID: <20010824052249.81312.qmail@web13508.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hey OM

Well they chopped down my favorite. Blue Spruce tree to make a fire break. Need to borrow the launcher again. BTW Also makes a excellent bear repeller. In the CG we used a box to fake down a line that was about to be thrown. For a really cool line gun look up Lyle gun, or Life boat Station. I also used a Springfield 1909 bolt action "06" with a smooth bore with a grenade round. It could throw a nylon line about 300 yards. We also used a M16 which the Navy "invented" but it was rather Micky Mouse and has the same range as a wham-o wrist rocket. Here in Louisiana there is folklore about a Cajun who trained a monkey to shoot Coons in the treetops. Perhaps we could train one of those lil cousins to string up a G5RV. Heck we might even get him to copy CW. Or at least get a tec plus ticket. Hope to be QRP on Cumbers pass by the first week in October.

73

de WB5TLA K Scotty

--- "T.W." <wb5qyt@abq.com> wrote:

> Gang,

>

> I really liked Drbob's idea about winding the line

> on the styrofoam cup! How

> bout getting one of those cone type hiway markers,

> you know the type we all

> try to run over, and wind the line on that!

>

> Im still using my PAL(pnuematic antenna launcher)

> that I built a few years

> ago. It still works well, and I havent found a tree

> that was too tall yet! I

> also use an open face reel that works great.

>

> Back into my hole, 72, Tom WB5QYT..."Have spud will

> travel!"

>

Do You Yahoo!?

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<http://phonecard.yahoo.com/>

Date: Thu, 23 Aug 2001 23:45:00 -0700
From: lhlousek <lhlousek@nvhbell.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105625] Portable SWL RX on sale!
Message-ID: <00b001c12c68\$4c1a56a0\$650dfea9@nvhbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

After all the advice and recommendations I got after my original query about using a portable SWL RX for listening to CW I though I'd stop by Radio Shack on the way home this evening and take a look at their DX-398 (same as Sangean 909). The clerk was putting a sale sign on the DX-398 as I walked in. Regular price is \$249.99 and the sale price is \$149.99, good through Sep 29.

I took their demo unit outside and listened to some CW sigs on 20 meters. It sounded OK but the bandwidth is wide. It would be much more listenable with an audio filter that took out the high frequency noise.

Lou W7DZN

Date: Fri, 24 Aug 2001 00:10:07 -0700
From: "David B. Rogers" <dr7zyq@nidlink.com>
To: lhlousek@nvhbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105626] Re: Portable SWL RX on sale!
Message-ID: <3B85FDCF.EC0F5074@nidlink.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Lou,

I think the others are correct about the need for an external unit (or modify to add it internally). I've used quite a few of the portable radios and none of them are going to have CW type selectivity. I have both a Sony 7600G

and the DX-398. Because of the tuning system and a few other touches, the Sony doesn't get used much and the DX-398 is a regular item in my travel kit. It does a surprisingly good job and tunes in 40 hz steps -- which basically give you 25 increments per kHz. One of the little MFJ CW2 type active CW filters would fit in an Altoids box and wouldn't add much weight. \$149.95 brand new is a good deal -- I paid \$125.00 shipped in original box and like new. I saw one on one of the reflectors the other night for \$90.00.

If you don't mind a little larger size (about twice as thick, but not as high or wide), the Lowe HF-150 is even better, but still doesn't have CW selectivity (you have to use USB or LSB). It will run on 8 AA batteries internally and, if you use NiMH batteries, get quite a bit of service out of them. But the HF-150 is going to run \$300+ used.

David, WA7ZYQ

lhlousek wrote:

>
> After all the advice and recommendations I got after my original query
> about using a portable SWL RX for listening to CW I though I'd stop by
> Radio Shack on the way home this evening and take a look at their DX-398
> (same as Sangean 909). The clerk was putting a sale sign on the DX-398
> as I walked in. Regular price is \$249.99 and the sale price is \$149.99,
> good through Sep 29.
>
> I took their demo unit outside and listened to some CW sigs on 20
> meters. It sounded OK but the bandwidth is wide. It would be much more
> listenable with an audio filter that took out the high frequency noise.
>
> Lou W7DZN

--

"It's a damned poor mind that can only think of one way to spell a word."

Andrew Jackson

Date: Fri, 24 Aug 2001 06:30:33 -0400
From: "Terres Family" <terresfm@ncia.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [105627] Re: SSS Kits
Message-ID: <003001c12c87\$cf1bd780\$e182f3ce@computer>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

hi all,
anyone know if in the SSS is it actually ok to use 12 volts instead of a 9
volt battery?
i was thinking of using a MN21/A23 battery, same as the one used in the
rainbow tuner. i guess it wouldn't last as long but that would be the price
for being smaller. they cost about a buck.
72 jerry aa1of franconia nh

Date: Fri, 24 Aug 2001 07:40:57 -0400
From: Tim O'Rourke <TO'Rourke@KaiserFT.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [105628] Straight Keys
Message-ID: <910D8E9955E3D411B3AE00A0C9319CB80C63A3@MAIL>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Mike
What a great idea. I would be willing to buy 12 identical keys and supply
some code practice kits for the group. As for sending and receiving I would
use a pair of headsets connected to one common practice oscillator or build
some real low power xceivers and have some real fun. They could be on 27 mhz
where you are allowed real low powered and no license, same as r/c toys.
I have keys and oscillators I use with scouts, I also loan out the MFJ code
practice play back boxes to those who are serious. I also have a box of new
inexpensive headphones that I will throw in.
Tim O'Rourke KG4CHX

Date: Fri, 24 Aug 2001 06:56:34 -0500 (CDT)
From: timcook@erinet.com
To: qrp-l@lehigh.edu
Subject: [105629] Looking for a K2
Message-ID: <200108241156.GAA58914@nm0.nwbl.wi.voyager.net>
Content-Type: text/plain
Content-Disposition: inline
Content-Transfer-Encoding: binary
Mime-Version: 1.0

Anyone have a K2 for sale? Would like one with most if not all the
options. Just not in to building one, but would like to find one

already built.....If you have one please send details such as price,
options, how old it is, etc...

Thanks
Tim
NZ8J

Date: Fri, 24 Aug 2001 08:03:23 -0400
From: "Bob" <ara1@trsvr.tr.unisys.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [105630] Re: Portable SWL RX on sale!
Message-ID: <001801c12c94\$c6285b00\$1fc03fc0@na.uis.unisys.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Has anyone sucessfully added an external bfo to any the the cheaper
receivers to copy cw or ssb? I used the Ten-Tec bfo kit with my Radio Shack
DX-399 and had poor results. The bfo needed to be readjusted for every
signal.

73, Bob K3QXH

----- Original Message -----

From: "lhlousek" <lhlousek@nvhbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, August 24, 2001 2:45 AM
Subject: Portable SWL RX on sale!

> After all the advice and recommendations I got after my original query
> about using a portable SWL RX for listening to CW I though I'd stop by
> Radio Shack on the way home this evening and take a look at their DX-398
> (same as Sangean 909). The clerk was putting a sale sign on the DX-398
> as I walked in. Regular price is \$249.99 and the sale price is \$149.99,
> good through Sep 29.

>

> I took their demo unit outside and listened to some CW sigs on 20
> meters. It sounded OK but the bandwidth is wide. It would be much more
> listenable with an audio filter that took out the high frequency noise.

>

> Lou W7DZN

>

>

>

>

Date: Fri, 24 Aug 2001 06:16:18 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Terres Family <terresfm@ncia.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105631] Re: SSS Kits
Message-ID: <Pine.LNX.4.33.0108240614370.1259-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yes it's fine to use any input DC voltage up to about 20 volts. There is a regulator device in the SSS device that will stand that much input.

On Fri, 24 Aug 2001, Terres Family wrote:

> hi all,
> anyone know if in the SSS is it actually ok to use 12 volts instead of a 9
> volt battery?
> i was thinking of using a MN21/A23 battery, same as the one used in the
> rainbow tuner. i guess it wouldn't last as long but that would be the price
> for being smaller. they cost about a buck.
> 72 jerry aa1of franconia nh
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 24 Aug 2001 05:53:06 -0700
From: "Mike Morrell" <morrellm@ameritech.net>
To: qrp-1@lehigh.edu
Subject: [105632] Startup help sought
Message-ID: <240801236.21156@webbox.com>
Mime-Version: 1.0
Content-Type: text/plain

I beleive the Greater Cleveland, OH area is fertile ground for

a " local " QRP group. Accordingly, I am soliciting any suggestions on how to go about establishing, building such a group. Any takers on the most direct " path forward " would be appreciated.

Regards,

Mike K8KE

Date: Fri, 24 Aug 2001 09:14:08 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w6toy@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [105633] Re: Slingshots
Message-ID: <003b01c12c9e\$bca269e0\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Bruce Muscolino <w6toy@erols.com>

> If you use a spud gun you can probably pull more wire or line. It is
a
> much more powerful device. It is also probably illegal in most
Eastern
> states!
>
> 73

Ahhh, not so!!

Back about 3 years or so ago there was an 'incident' in western PA where someone used spud guns to attack a house. They really trashed things! Right after that, some California communities declared some items 'restricted'. You couldn't buy certain PVC 'reducers' unless you were a licensed plumber!

Here in Mass the "we know best" crowd tried to get them declared illegal, but the state attorney general (a gun control advocate actually) had his office look into it and formally declared they were NOT a firearm and were NOT restricted.

Mike

Date: Fri, 24 Aug 2001 09:17:17 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <dpayton@fwi.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [105634] Re: Measuring Tape Antenna Question
Message-ID: <005b01c12c9f\$7ed699a0\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Dennis Payton <dpayton@fwi.com>

> Today I ran into a good quality and fairly small 100' measuring tape
on sale
> and couldn't pass it up. Since my favorite portable antenna is an end
fed
> half wave wire, I thought I could do something with it.
>
> It would be the most versitile if I could hook the rig to the coiled
end,
> instead of the tip of the tape. In other words, if I have 67' of
"antenna"
> paid out, the transmitted signal goes from the rig, through 33' of
coiled
> tape to the 67' end fed half wave.
>
> I fear the coiled tape would act like a choke or part of the antenna
and
> either block or attenuate the signal, but hope it would capacitively
couple
> through the coiled tape and be of little consequence. Would somebody
advise
> me on this?

I would think that the 'coil' would have a HUGE interwinding capacitance
as well as inductance that would make it into a blocking trap. But with
that large a capacitance it would probably be at a very low frequency.

Mike

Date: Fri, 24 Aug 2001 09:25:53 EDT
From: W2SH@aol.com
To: qrp-1@lehigh.edu
Subject: [105635] RE: Slingshot Line
Message-ID: <3e.107e71f9.28b7afe1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

All of the recently described antenna-raising techniques simply allow the trailing line, whether in a styrofoam cup, on a spool, a reel or lying on the ground, to have an indeterminate or unlimited length. However, I do not want the projectile (I stated the reasons for my preferring an arrow in an earlier posting) and trailing line to get tangled in trees lying beyond the target, nor to travel so far that retrieval might occur on a neighbor's property

For me it is imperative to limit the arrow's maximum travel, yet not slow its flight. The ideal solution has been a 12 x 20-foot, high-quality, green vinyl tarpaulin, folded to quarter size. With the long dimension pointed in the shooting direction, this provides a rugged, 10 x 6-foot, friction-free surface on which to lay out the desired length of line (I use 75-pound test braided Dacron kite line).. I estimate the distance to the target, add 10 feet, and lay out the line back and forth in 10-foot increments to approximate the estimated total line length needed. I used to stop the line by wrapping its ground end around a brick, but deceleration was too brusque. I now find that a 9-inch kite flyer's hoop spool, when loaded with several hundred feet of line, has enough weight to stop the arrow without appreciable overshoot. The spool will jump a couple of feet in the air when the trailing line becomes taut. The tarpaulin can also be folded to 5 x 6 feet to make a smaller launch surface, and this is more suitable when shooting from a sapling-filled location in the woods. This humble tarpaulin has been a vital and outstanding asset to my antenna-raising efforts.

72/73,

Charles, W2SH

Date: Fri, 24 Aug 2001 09:02:30 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'ara1@trsvr.tr.unisys.com'" <ara1@trsvr.tr.unisys.com>, Low Power Amateur

Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105636] Adding a BFO to a RCVR
Message-ID: <01C12C7B.827093A0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Whoo-boy, have I!

I decided to add a real BFO to my antique Hallicrafters S-120 (worst shortwave receiver ever made). To make it extra stable, I bought a 455 kHz crystal from Dan's and built a little transistor osc from the handbook. Coupled by wrapping a wire from the output around a wire in the IF stage.

The normal BFO on the S-120 is just a pot from a suppressor grid to ground that causes the stage to break into regeneration, I guess. Anyway, it makes CW sound like someone is gargling through a kazoo.

So I spent all that time on the BFO and now CW sounds like ... someone gargling through a kazoo! Guess the source of the gargling sound must be the local osc and not the BFO after all.

But getting back to your question, I guess this system would work well with a decent receiver. Does yours have a 455 kHz IF? You just need to find out what the IF frequency is and build an osc that works near there and couple it in at the IF stage. You could use a crystal, ceramic resonator or IF transformer to set the frequency. I have some better & more detailed info if you are interested.

72--Nick, WA5BDU
in Arkansas

-----Original Message-----

From: Bob [SMTP:ara1@trsvr.tr.unisys.com]
Sent: Friday, August 24, 2001 7:03 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Portable SWL RX on sale!

Has anyone sucessfully added an external bfo to any the the cheaper receivers to copy cw or ssb? I used the Ten-Tec bfo kit with my Radio Shack DX-399 and had poor results. The bfo needed to be readjusted for every signal.

73, Bob K3QXH

Date: Fri, 24 Aug 2001 07:06:22 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: nkennedy@tcainternet.com, qrp-1@Lehigh.EDU
Subject: [105637] Re: Adding a BFO to a RCVR
Message-ID: <F58x2Mift6IupsCo8RP0000a835@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

You weren't listening to a Ten Tec Scout were you?

John K7FD

>From: Nick Kennedy <nkennedy@tcainternet.com>

>So I spent all that time on the BFO and now CW sounds like ... someone
>gargling through a kazoo! Guess the source of the gargling sound must be
>the local osc and not the BFO after all.

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Fri, 24 Aug 2001 10:17:41 -0400
From: "Brian" <brian@iquest.net>
To: <k7fd@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [105638] Re: Adding a BFO to a RCVR
Message-ID: <015501c12ca7\$89244260\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

My Ten Tec Scout sounds excellent. Wouldn't trade it for anything. When I
get my K2 the TT will be in the car.

----- Original Message -----

From: "N7SG K7FD" <k7fd@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, August 24, 2001 10:06 AM
Subject: Re: Adding a BFO to a RCVR

> You weren't listening to a Ten Tec Scout were you?

>
> John K7FD
>
>
> >From: Nick Kennedy <nkennedy@tcainternet.com>
>
> >So I spent all that time on the BFO and now CW sounds like ... someone
> >gargling through a kazoo! Guess the source of the gargling sound must be
> >the local osc and not the BFO after all.
>
>
>
> -----
> Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>
>
>

Date: Fri, 24 Aug 2001 10:39:21 US/Eastern
From: n2cx@voicenet.com
To: qrp-l@lehigh.edu
Cc: n2cx@voicenet.com
Subject: [105639] Re: Adding a BFO to a RCVR
Message-ID: <200108241439.f70EdYT05599@rain.CC.Lehigh.EDU>

Guys,

Adding a BFO to a receiver is not necessarily a simple thing...

As us OT's can attest, most pre-1960's receivers (and cheaper ones after that) could be made to sound, as Nick Kennedy so eloquently pointed out like "gargling through a kazoo." They did not have a decent product detector, but simply injected the BFO signal into the diode AM detector.

A good product detector (see the Radio Amateur Handbook or professional receiver design reference) will accept cw signals over a wide range of amplitudes and mix the BFO with the input to produce an undistorted beat note output. On the other hand a simple diode detector will provide undistorted beat note outputs over a much smaller dynamic range. Thus you have to adjust both the receiver RF gain and maybe BFO level to stay within the right range. And complicating this is the fact that many receivers use an AVC circuit that will be swamped by the BFO signal.

The simple AVC circuits are intended to work with AM signals so they look at the DC value of the detected AM signal. Guess what, the strong BFO signal looks like

a
very strong AM signal so it kills receiver gain drastically.

So to get good results you have to defeat the AVC and carefully adjust the RF gain
to hit the detector's "sweet spot."

The latter is yet another reason why OT's often crank up a receiver's AF control
and
"ride" the RF gain to optimise reception.

The other option is to modify your receiver to add a good product detector.

But that's a whole different story...

72/73,

Joe E.,
N2CX

This message was sent using Voicenet WebMail.
<http://www.voicenet.com/webmail/>

Date: Fri, 24 Aug 2001 08:17:23 -0600
From: "AB0CD" <ab0cd@uswest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "cqclist" <CQCLIST@EGROUPS.COM>
Subject: [105640] Colorado QRP Club Summer QSO Party 2001-SUNDAY
Message-ID: <001701c12ca7\$7e7f0a20\$059fa0d8@dnvr.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Colorado QRP Club Summer QSO Party 2001

Sunday, August 26, 2001
(note corrected date)

1800 UTC to 2359 UTC

Exchange: RS(T), State/Province/Country, First Name, and Member # if CQC
member, power output if not ie: 579 CO Jim NR 04

Suggested frequencies: CW: 1825, 3560, 3710, 7040, 7110, 14060, 21060, 21110, 28060, 28110; SSB: 1910, 3985, 7285, 14285, 21385, 28385; No contacts on 30, 18 and 12 meters allowed.

Classes: Single Band; Multi-band (all single operator only); Portable (away from home QTH, portable power, portable antenna)

QSO Points: CW-CQC member 6 pts, non-member 4 pts; SSB-CQC member 3 pts, non-member 2 pts

Multiplier: States/Provinces/Countries worked -- The same station may be worked on different bands for additional QSO points and multipliers. Contacts on the same band using a different mode counts for QSO points, but not as an additional multiplier

Names: Total of first names from Name sheet. One first name per letter of the alphabet. Name must be your commonly used first name.

Score: Total Score = QSO Points x Multipliers x Names

Bonus points for working Club Station W0CQC - Add 1000 points to your FINAL score for working W0CQC

Power: Stations must use 5 watts or less output, CW or SSB. There are no power multipliers.

Awards: To Be Determined, Highest Score in each class

Logs: Submit log postmarked within 30 days of contest end (09/27/01) showing: Band, Mode, Time UTC, Station Called, RST Rc'd, SPC Rc'd, Name Rc'd, Memb# Rc'd (or pwr out if not CQC member), SPC Mult., Name mult. Points

On a cover sheet include your name, call, SPC, CQC# (if member), power used. A description of your rig, antenna, and comments would be appreciated. Also include a score recap, the calculation of your total final score.

Electronic logs: ASCII text format only, may be sent to: contest@cqc.org

Mail logs: Contest, CQC, POB 371883, Denver CO 80237-1883

For sample Log, and Name sheets, send SASE and one unit first class postage to:

Jim-KG0PP-CQC Contest
P.O.Box 31575
Aurora, CO 80041-0575

Date: Fri, 24 Aug 2001 10:30:06 -0400
From: "Lee S. Mairs" <lmairs@cox.rr.com>
To: <david.gauding@bbs.galilei.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [105641] Re: Battery Charging
Message-ID: <00a401c12cab\$d4542a80\$6401a8c0@cox.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The literature is fairly adamant about not charging at a rate greater than 25% of AH capacity, nor exceeding 14.4 VDC charging voltage on gel cells. These things can and do explode. What a mess...
73 de Lee, KM4YY

The natural progress of things is for liberty to yield and government to gain ground.
--Thomas Jefferson

\
----- Original Message -----
From: "David Gauding" <david.gauding@bbs.galilei.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, August 23, 2001 11:05 PM
Subject: Re: Battery Charging

> Hello John,
>
> I have been charging small gel-cell batteries with wall-warts for years. A
> truly non-standard approach but it works for me.
>
> I use 12VDC, 4 amp hour gel-cells for running my old Argonauts, Argosy or
> HW-8, at home and in the field. They are "pulls" from structure or
computer
> alarm systems and provided gratis by a member of the St. Louis QRP
Society.
> "Battery Nights" are real popular here! <g>
>
> I finally popped for one of those 4.5 amp hour batteries with charger in a
> padded case sold by RS(?) a few months back. That's the first gel-cell
> battery I ever paid money for! <g>
>

> I use a 500 mA wall-wart when I'm in a hurry. And a 200 mA example for
> routine charging. They are flea-market or garage-sale specials from
defunct
> cordless phones.
>
> I let the gel-cells drop down to about 11.2V(+/-) under load (key down)
> before charging. And, I try to do that fairly promptly after using the
> battery. Leaving them sit around in a discharged state is the
> kiss-of-death, in my experience.
>
> The formula is real simple, i.e. amp hour rating divided by milliamps. A 4
> amp hour battery gets charged for twenty hours at 200 ma. Or, eight hours
> at 500 ma.
>
> If it appears that I will not be there to remove the charger at the
> appointed time I just grit my teeth and promise to do better next time. I
> keep this to a minimum with the 500 mA rating. If I suspect in advance
that
> a delay is possible the nod usually goes to the more forgiving 200 ma
charger.
>
> When the batteries get near the end of the calculated charging time the
> voltage is usually right around 14.6 to 14.8 VDC.
>
> I have an old 4 amp hour Power-Sonic on the 200 mA charger as I type this.
> The alarm company scribble on the case says it was first installed in
1/96.
> There are two more here with 7/96 notes. I got these in 1997 and they have
> been cycled many, many times over the years. When pulled off the charger
> and allowed to sit for a few minutes these older batteries will measure
> 12.8V to 13.0V.
>
> Not all is rosy, however. I've have several freebie batteries in the
garage
> waiting to go to the recyclers. They simply died with no warning. For
peace
> of mind, I always take along a spare gel-cell when operating portable with
> the commercial rigs.
>
> Hope this quick & dirty and real cheap approach will be helpful to you,
John.
>
> Regards,
>
>
>
> de Dave, NF0R nf0r@slacc.com
>

>
>
>
>
>
>
>

Date: 24 Aug 2001 08:18:55 -0700
From: John DiLorenzo <jdilorenzo3301@altavista.com>
To: qrp-l@lehigh.edu
Subject: [105642] Re:Startup help sought
Message-ID: <20010824151855.6759.cpmata@c012.sfo.cp.net>
Content-Type: text/plain
Content-Disposition: inline
Mime-Version: 1.0

Mike,

What a FINE idea! I'm not sure that I can offer many start-up ideas. Probably the first step would be to solicit members, find out a geographic "center of mass", and set up an initial meeting. There, we can discuss ideas about how often to meet, when, where, etc. and whether we would want formal officers and all of that, or keep it an informal group.

I would certainly be willing to call and try to arrange such a meeting place (library, civic center, etc.). I sure hope this takes off; let me know if I can help in any way.

73,
John KC8PXF

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Date: Fri, 24 Aug 2001 08:21:58 -0700
From: lhlousek <lhlousek@nvhbell.net>
To: QRP-L list <qrp-l@Lehigh.EDU>
Subject: [105643] R/S DX-398 ATS909 filters
Message-ID: <00b501c12cb0\$83f4a880\$650dfea9@nvhbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

Phil W70X mentioned installing a Kiwa filter in his Sangean 909. According to Kiwa, the DX398/ATS909 comes with 6.2kHz and 4.8 kHz filters selcted with a slide switch on the side of the unit. Kiwa makes a 3.8 kHz filter that replaces the stock 4.8 kHz filter. Price is \$40. Check out <http://www.kiwa.com/ATS909.html> for more info.

I would like something narrower for CW.

Lou W7DZN

Date: Fri, 24 Aug 2001 09:45:38 -0600
From: "Mugleston, Brad" <brad.mugleston@gwl.com>
To: CQCLIST@yahooogroups.com, QRP-L <qrp-l@lehigh.edu>
Subject: [105644] RE: [CQCLIST] Colorado QRP Club Summer QSO Party 2001-SUNDAY
Message-ID: <F9645092A142D3118CBD00805F15292E15CAEE8E@eb-mail1.gwl.com>
MIME-Version: 1.0
Content-Type: text/plain

is there any FREE software out there that does logging and scoring for this test? If so where does one download it?

> -----Original Message-----
> From: AB0CD [SMTP:ab0cd@uswest.net]
> Sent: Friday, August 24, 2001 8:17 AM
> To: QRP-L; cqclist
> Subject: [CQCLIST] Colorado QRP Club Summer QSO Party 2001-SUNDAY
>
> Colorado QRP Club Summer QSO Party 2001
>
> Sunday, August 26, 2001
> (note corrected date)
>
> 1800 UTC to 2359 UTC
>
> Exchange: RS(T), State/Province/Country, First Name, and Member # if CQC
> member, power output if not ie: 579 CO Jim NR 04
>
> Suggested frequencies: CW: 1825, 3560, 3710, 7040, 7110, 14060, 21060,
> 21110, 28060, 28110; SSB: 1910, 3985, 7285, 14285, 21385, 28385; No
> contacts
> on 30, 18 and 12 meters allowed.
>
> Classes: Single Band; Multi-band (all single operator only); Portable

> (away
> from home QTH, portable power, portable antenna)
>
> QSO Points: CW-CQC member 6 pts, non-member 4 pts; SSB-CQC member 3 pts,
> non-member 2 pts
>
> Multiplier: States/Provinces/Countries worked -- The same station may be
> worked on different bands for additional QSO points and multipliers.
> Contacts on the same band using a different mode counts for QSO points,
> but
> not as an additional multiplier
>
> Names: Total of first names from Name sheet. One first name per letter of
> the alphabet. Name must be your commonly used first name.
>
> Score: Total Score = QSO Points x Multipliers x Names
>
> Bonus points for working Club Station W0CQC - Add 1000 points to your
> FINAL
> score for working W0CQC
>
> Power: Stations must use 5 watts or less output, CW or SSB.
> There are no power multipliers.
>
> Awards: To Be Determined, Highest Score in each class
>
> Logs: Submit log postmarked within 30 days of contest end (09/27/01)
> showing: Band, Mode, Time UTC, Station Called, RST Rc'd, SPC Rc'd, Name
> Rc'd, Memb# Rc'd (or pwr out if not CQC member), SPC Mult., Name mult.
> Points
>
> On a cover sheet include your name, call, SPC, CQC# (if member), power
> used.
> A description of your rig, antenna, and comments would be appreciated.
> Also
> include a score recap, the calculation of your total final score.
>
> Electronic logs: ASCII text format only, may be sent to: contest@cqc.org
>
> Mail logs: Contest, CQC, POB 371883, Denver CO 80237-1883
>
> For sample Log, and Name sheets, send SASE and one unit first class
> postage
> to:
> Jim-KG0PP-CQC Contest
> P.O.Box 31575
> Aurora, CO 80041-0575
>

>
>
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>
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>

Date: Fri, 24 Aug 2001 11:14:39 -0500
From: Don <dwitttlic@APCI.net>
To: W2SH@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105645] Re: Slingshot Line
Message-ID: <3B867D6F.C99B5C5E@APCI.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Charles, W2SH,
Your method has merit: laying out a tarp to provide a
clean surface on which you zigzag the line to be towed
by the arrow. Then attaching an object to the line in
order to stop the arrow's progress.

At present, using high tech fishing line on a very
large cheap open face spinning reel completely filled
to lower friction, I actually have excess range. Next
time I will try a modification of your method.

1. Pay out 15# test braided nylon onto a tarp. That
line has enough mass to stay put better than my high
tech Aramid line.
2. Then to stop progress of the sinker, tie on a few
feet of 550 parachute cord, which should provide a
gentle braking effect.

And about stopping this thread... it reminds me of a
Yogi Berra quote that is something like:

"Nobody goes there anymore, it's always too crowded"

Don WN9V

Date: Fri, 24 Aug 2001 12:35:19 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: n2cqr@clix.pt, qrp-1@Lehigh.EDU
Subject: [105646] CU2JL . . . Re: QRPp Summer Issue Up For Grabs
Message-ID: <20010824.123629.-170483.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Congratulations Bill (CU2JL / N2CQR),
your guess is the closest.

Please e-mail me your snail mail address and
the QRPp 2001 Summer issue is on the way.

PS, RE, The Azores,
I spent a very nice tour of military duty at
Cinco Picos near Lajes, Terceira in the early sixties,
a ham then too, beautiful country.

John
N3AAZ
FM 19 xa

On Wed, 22 Aug 2001 18:57:39 -0400 Bill Meara <n2cqr@clix.pt> writes:
>497

>
>

>At 10:37 AM 8/22/01 -0400, you wrote:

>>

>>Summer 2001 QRPp issue up for grabbs (free and I pay postage).

>>

>>I am thinking of a number between one and one thousand,
>>enciphered here for our safety:

>>

>>TWRRD

>>UVWZZ

>>DGMDU

>>SDJMJ

>>ZDNHB

>>

>>Guess the closest and the QRPP Summer 2001 issue is yours.
>>
>>Yes, I will wait a week or so to allow digest users a fair chance.
>>
>>72,
>>John
>>N3AAZ
>>FM 19 xa
>>
>>
>>-----
>>GET INTERNET ACCESS FROM JUNO!
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>><http://dl.www.juno.com/get/tagj>.
>>
>>
>73 de CU2JL (aka N2CQR)
>Bill Meara
>Sao Miguel Island,
>The Azores, Portugal
><http://planeta.clix.pt/n2cqr>

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 24 Aug 2001 09:44:55 -0700 (PDT)
From: Doug Bankston <dougbankston1@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105647] TS-930Sat Trade for ??
Message-ID: <20010824164455.41856.qmail@web11305.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Good afternoon folks!.. Thought I'd throw
this out and see if anyone is interested..
Doug W4IDW

.....KENWOOD TS-930sAT to Trade.....
Full sized, all solid state rig in great condition.
Has built in Auto-Tuner, legendary receiver.
Built in power supply.(Has narrow band CW filter)
Comes w/manual and hand mic.

This is my spare HF rig and does not get much use.
Want to try something different. I m open to trade for
most any HF gear Examples:

*QRP Transceiver Like the TS130v or any other QRP rig

* Kenwood TS 830/820/530/520 (+ some \$\$).

* Icom 761/751/737/735.

* Yaesu FT-767.

* TenTec Corsair/Corsair II/Omni V/Paragon.

* Open to trade for most any HF rig...Whatcha Got??.

Contact Doug, W4IDW, Stafford, VA. w4idw@yahoo.com

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Date: Fri, 24 Aug 2001 17:37:08 +0000

From: Dragon Singer <WM-Scace@wiu.edu>

To: morrellm@ameritech.net

Subject: [105648] Re: Startup help sought

Message-ID: <5.1.0.14.0.20010824173422.01b80f50@pop3.wiu.edu>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Mike

Wayne K9DI es Sequoia here. Pse check out www.fpqrp.com Maybe
they could give you some ideas. The Flying Pigs are a really fun bunch of
Ops to be around.

73/72 es 00

Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net

LICQ# 315313

FISTS# 4409

QRP-L# 2313

FPQRP-L# 217

SOC# 452

ARS No. 1,082

Date: Fri, 24 Aug 2001 14:13:49 -0400
From: "Tom Curtola" <tcurtola@home.com>
To: <nkennedy@tcainternet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [105649] Re: Adding a BFO to a RCVR
Message-ID: <002d01c12cc8\$86478540\$0f316618@yec1.on.wave.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What a timely post. I just bought an old Hallicrafters S-120 at a pawn shop yesterday for \$10 (Canadian so about \$5 bucks U.S.). Cleaned it up and thought the "BFO" was broken, so spent the evening re-aligning it and still no luck. Kept thinking that it sounded more like a bad regenny when using the "BFO." Looking at the schematic, I couldn't find a real BFO oscillator, just the potentiometer controlling the suppressor grid, like you said. AM broadcast band leeches through the SW band. So I'm glad I'm not the only one that thinks this is the worse radio ever made. hi hi. I bought it for parts and that's definitely what it is going to become of it. Perhaps convert it to a genny. There's room in the chassis to maybe even make a small QRP xmtr / regenerative rx combination.

Tom
VA3TY

----- Original Message -----

From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, August 24, 2001 10:02 AM
Subject: Adding a BFO to a RCVR

> Whoo-boy, have I!
>
> I decided to add a real BFO to my antique Hallicrafters S-120 (worst
> shortwave receiver ever made). To make it extra stable, I bought a 455
kHz
> crystal from Dan's and built a little transistor osc from the handbook.
> Coupled by wrapping a wire from the output around a wire in the IF stage.
>
> The normal BFO on the S-120 is just a pot from a suppressor grid to ground
> that causes the stage to break into regeneration, I guess. Anyway, it
> makes CW sound like someone is gargling through a kazoo.

>
> So I spent all that time on the BFO and now CW sounds like ... someone
> gargling through a kazoo! Guess the source of the gargling sound must be
> the local osc and not the BFO after all.
>
> But getting back to your question, I guess this system would work well
with
> a decent receiver. Does yours have a 455 kHz IF? You just need to find
> out what the IF frequency is and build an osc that works near there and
> couple it in at the IF stage. You could use a crystal, ceramic resonator
> or IF transformer to set the frequency. I have some better & more
detailed
> info if you are interested.
>
> 72--Nick, WA5BDU
> in Arkansas
>
> -----Original Message-----
> From: Bob [SMTP:ara1@trsvr.tr.unisys.com]
> Sent: Friday, August 24, 2001 7:03 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Portable SWL RX on sale!
>
> Has anyone sucessfully added an external bfo to any the the cheaper
> receivers to copy cw or ssb? I used the Ten-Tec bfo kit with my Radio
Shack
> DX-399 and had poor results. The bfo needed to be readjusted for every
> signal.
> 73, Bob K3QXH
>
>
>

Date: Fri, 24 Aug 2001 14:16:34 EDT
From: Jfelts202@aol.com
To: qrp-l@lehigh.edu
Subject: [105650] MP-1
Message-ID: <13c.435237.28b7f402@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Is there a webpage for the MP-1's antenna? Does anyone have one they want to
sell? or I've got a a Z-11 Auto tuner I'd trade. (not really crazy about the
auto tuner, it works just fine, I'd rather twiddle with a couple of knobs)

Jerry - NR5A in South Dakota

Date: Fri, 24 Aug 2001 14:29:50 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: Mike Yetsko <myetsko@insydesw.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [105651] Re: Slingshots
Message-ID: <3B869D1E.AD627151@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just another example of selective Democratic politics! Don't even go to where Gary Condit lives!

73

Date: Fri, 24 Aug 2001 14:45:09 -0400
From: "John Mc Donough" <jpm1@bellatlantic.net>
To: <nn1g@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [105652] Re: Where to find a 40673? ...and learning how to fish
Message-ID: <04ae01c12ccc\$e701f420\$1a5bfea9@jpm1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave Benson, if it is not too far off topic, could you please elaborate just a little bit, or provide a few pointers (books/urls) on this arrangement. I searched Google for 'cascode' and found a short article on 'cascode for power amps' by Norman Pass,
<http://www.passlabs.com/articles.htm> (an audio application article)

which helps a bit. He describes the two BJTs in his diagram as a gain device (Q1) and a second transistor in the common base mode ..In your description, is the JFET the gain element or the voltage fixing element ?

I am picturing the circuit as (amplifier version)
signal to JFET gate
+V to BJT collector
BJT emitter connected to JFET drain
BJT base connected to ground through capacitor
FET source grounded.

----- Original Message -----

From: "Dave Benson" <nn1g@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, August 23, 2001 5:51 PM
Subject: Re: Where to find a 40673?

> There's a functional equivalent for the applications we put the 40673
to-
> a pair of transistors in the cascode configuration- the lower one a JFET
> and the upper an NPN. The NPN base can be either AC-grounded to use the
> cascode pair as an amplifier or can be driven with a local oscillator to
> serve as a mixer.
>
> 73- Dave, K1SWL

Date: Fri, 24 Aug 2001 14:46:28 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: tcurtola@home.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [105653] Re: Adding a BFO to a RCVR
Message-ID: <3B86A104.7AA8B5C3@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The low end Hallicrafters all used IF regeneration for their BFO's. The
only one that had a real BFO was the original S-38!

73

Date: Fri, 24 Aug 2001 13:52:27 -0500
From: Michael Melland <w9wis@charter.net>
To: Jfelts202@aol.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105654] RE: MP-1
Message-ID: <NEBBLKAGEKBNGELOFFCAOECGCNAA.w9wis@charter.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

<http://www.superantennas.com>

--

Michael Melland, W9WIS
QRP-L #1656 QRPARCI #9875
SOC #142 FPQRP #244 IPARC #252
EN54pc Winnebago Cty, Wisc.

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
> Jfelts202@aol.com

> Sent: Friday, August 24, 2001 1:17 PM

> To: Low Power Amateur Radio Discussion

> Subject: MP-1

>

>

> Is there a webpage for the MP-1's antenna? Does anyone have one

> they want to

> sell? or I've got a a Z-11 Auto tuner I'd trade. (not really

> crazy about the

> auto tuner, it works just fine, I'd rather twiddle with a couple of knobs)

>

> Jerry - NR5A in South Dakota

Date: Fri, 24 Aug 2001 12:58:17 -0600 (MDT)

From: "Paul Harden, NA5N" <na5n@rt66.com>

To: qrp-canada@neale.gpfn.sk.ca, qrp-l@lehigh.edu

Subject: [105655] 2N2/40 Build Project

Message-ID: <Pine.SUN.4.10.10108241245480.14061-100000@shell.rt66.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

There are some ongoing efforts to orchestrate a step-by-step build of Jim Kortge's (K8IQY) now famous 2N2/40 rig. For those unfamiliar with this, it is a 40M transceiver built entirely from 2N2222 transistors, a few toroids, etc. No NE612's or other IC's. It is built "Manhattan Style," meaning the components are soldered to small copper clad pads glued to a 4x5" piece of copper clad. An easy way to build a rig entirely "from scratch," and a rig many will tell you is a GREAT performer as well.

The original construction article was published in Norcal's QRPP, the Winter 1998 issue (available from NorCal in their annual QRPP reprints, see the NorCal website). Or the complete article is also available in a

66-page, spiral bound book for \$12, which INCLUDES the postage to US/VE from:

Quicksilver Printing
P.O. Box 757
Socorro, New Mexico 87801

Originally, the AZ ScQRPions and the IAQRP club made screened copper clad boards available that easily marks where the pads should be glued and the components located. That is being evaluated now for incorporating the couple of mods that have come along, and an updated version may be available soon. Stay tuned to QRP-L for details.

If you have ever wanted to build a QRP transceiver totally from scratch, I would recommend you participate in this. It is my understanding that step-by-step building procedures, tutorials and checkouts will be conducted on QRP-L. You can't go wrong with previous builders, the designer and others intimate with the 2N2/40 all here to help you out.

More details coming along shortly.

72, Paul NA5N

Date: Fri, 24 Aug 2001 15:02:16 -0400
From: "Juan Ferrari" <puntrad@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [105656] HTX-100
Message-ID: <033e01c12ccf\$4afe8090\$5e35f2d8@juan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,
Is there some one who has the schematic of the HTX-100 or know where to get it? I got one of such things that doesn't work and before trash it would like to play a little.
Tnx in advance.
72/73
Juan - KG4FSN

Date: Fri, 24 Aug 2001 15:25:42 -0400
From: "Bob" <ara1@trsvr.tr.unisys.com>
To: <nkennedy@tcainet.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [105657] Re: Adding a BFO to a RCVR
Message-ID: <00ac01c12cd2\$90c553d0\$1fc03fc0@na.uis.unisys.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Ten-Tec bfo does work to some degree. The IF is 455KC, but when you have it setup for LSB on one station as you tune up the band you need to readjust the bfo for each station you hear. I'm sure that this is because the DX-399 minimum frequency resolution is 1 KHz. It's a nice receiver for 75 and 40 meter AM, but I should have spent a couple of more dollars - it's kind of tacky to have a wire looped around the receiver.

72, Bob

----- Original Message -----

From: "Nick Kennedy" <nkennedy@tcainet.net>
To: <ara1@trsvr.tr.unisys.com>; "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, August 24, 2001 10:02 AM
Subject: Adding a BFO to a RCVR

> Whoo-boy, have I!
>
> I decided to add a real BFO to my antique Hallicrafters S-120 (worst
> shortwave receiver ever made). To make it extra stable, I bought a 455
kHz
> crystal from Dan's and built a little transistor osc from the handbook.
> Coupled by wrapping a wire from the output around a wire in the IF stage.
>
> The normal BFO on the S-120 is just a pot from a suppressor grid to ground
> that causes the stage to break into regeneration, I guess. Anyway, it
> makes CW sound like someone is gargling through a kazoo.
>
> So I spent all that time on the BFO and now CW sounds like ... someone
> gargling through a kazoo! Guess the source of the gargling sound must be
> the local osc and not the BFO after all.
>
> But getting back to your question, I guess this system would work well
with
> a decent receiver. Does yours have a 455 kHz IF? You just need to find
> out what the IF frequency is and build an osc that works near there and
> couple it in at the IF stage. You could use a crystal, ceramic resonator

> or IF transformer to set the frequency. I have some better & more
detailed
> info if you are interested.
>
> 72--Nick, WA5BDU
> in Arkansas
>
> -----Original Message-----
> From: Bob [SMTP:ara1@trsvr.tr.unisys.com]
> Sent: Friday, August 24, 2001 7:03 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Portable SWL RX on sale!
>
> Has anyone sucessfully added an external bfo to any the the cheaper
> receivers to copy cw or ssb? I used the Ten-Tec bfo kit with my Radio
Shack
> DX-399 and had poor results. The bfo needed to be readjusted for every
> signal.
> 73, Bob K3QXH
>
>
>

Date: Fri, 24 Aug 2001 15:33:16 -0700
From: "John Dorson" <JDORSON@worldshare.net>
To: <w6toy@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [105658] Re: Adding a BFO to a RCVR
Message-ID: <000f01c12cec\$c5c65ce0\$446e5a41@john>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

the s-38 was my first receiver back in the early 50's and it was great. yes
a real b

----- Original Messafo. wish i had one again...

john k2jhu...ge -----

From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, August 24, 2001 11:46 AM
Subject: Re: Adding a BFO to a RCVR

> The low end Hallicrafters all used IF regeneration for their BFO's. The
> only one that had a real BFO was the original S-38!

>
> 73
>

Date: Fri, 24 Aug 2001 15:56:17 -0400 (EDT)
From: n2go@arrl.net
To: qrp-l@Lehigh.EDU
Subject: [105659] Trade 40673 for MAX232
Message-ID: <Pine.LNX.4.21.0108241550370.1230-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I need two Maxim MAX232CPE dips for a little project. I will trade two NOS RCA 40673 dual gate mosfets for them. I don't need money...just the two ic's and I don't want to place a big order now :)

73,

Jim n2go

Date: Fri, 24 Aug 2001 13:00:22 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [105660] FOX--N6WG Log v1.0
Message-ID: <MABBJOEABOILMKCJCLFCOEEPCAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who tried for me last night. From comments on QRP-L, I gather propagation wasn't all that hot to some areas. I know there were whole parts of the country I heard nothing from.

I ran a quick check of powers recorded and got the following:

1 70 mw
1 100 mw
1 200 mw
1 2 w
3 3 w
2 4 w
60 5 w

My hat is off to the milliwatters. Really good show, fellows.

Here's my log, version 1.0.

TIME	CALL	RST	ST	NAME	POWER
0202	WA9TZE	349	WI	JIM	5W
0204	N1TP	579	FL	TOM	5W
0204	K5DI	599	NM	KARL	5W
0205	AA50	559	LA	VERN	5W
0206	KB9YIG	559	IN	TONY	5W
0207	N9AW	559	WI	JERRY	5W
0208	NK0E	559	CO	DAVE	5W
0210	W0JOE	599	MO	JOE	5W
0211	N1EU	559	NY	BARRY	5W
0211	N5TW	559	TX	TOM	5W
0212	AA7EQ	559	AZ	BOB	5W
0213	N2WW	559	CO	LARRY	5W
0213	K4FB	559	FL	PAUL	5W
0216	N1FN	559	CO	ET	5W
0218	W8RU	599	MI	RON	5W
0218	K4GT	559	GA	JIM	5W
0219	K4TJD	559	GA	TOM	5W
0220	K4MF	559	FL	GARY	5W
0223	AG0T	559	ND	TODD	5W
0224	K5E0A	559	LA	WAYNE	5W
0225	W5USJ	559	TX	CHUCK	5W
0226	K5YU	559	TX	HARV	5W
0227	K8CV	559	MI	WALT	5W
0228	VE6EX	559	AB	DAN	5W
0229	N5IB	559	LA	JIM	5W
0230	W5YR	559	TX	GEORGE	5W
0231	K5JHP	449	TX	BILL	5W
0232	AC5JH	559	OK	TOM	5W
0232	K5AAR	559	OK	DON	5W
0233	N9NE	559	WI	TODD	100MW !
0234	AD6JV	559	CA	BILL	5W
0235	K5LN	559	TX	BILL	5W
0236	N4ROA	559	VA	DAN	5W
0237	N4SO	599	AL	KEN	5W
0238	K5BGB	559	TX	ROD	5W
0239	AG4PS	569	FL	MAC	3W
0241	W6ABC	559	CA	JACK	5W
0243	N0EA	559	MO	WAYNE	70MW !
0245	NM5M	559	TX	ERIC	5W
0246	W5TB	559	TX	DOC	5W
0246	W9XU	559	WI	LON	5W
0247	AJ9U	559	WI	BOB	5W

0249	N6XG	559	CA WALT	200MW !
0250	KJ0C	559	MO JIM	5W
0251	W0CH	559	MO DAVE	3W
0252	K5DW	559	TX DON	5W
0253	K3NG	559	PA GOODY	5W
0254	N3AO	559	PA CARTER	5W
0255	AD4J	559	GA JIM	5W
0256	K4BYF	559	FL JACK	5W
0257	N8XE	559	OH JASON	5W
0258	KC1FB	559	CT JIM	3W
0302	K1KID	559	MA CARL	4W
0304	N5YFC	559	LA WAYNE	5W
0305	N0DSP	559	CO TOM	5W
0308	NV4V	559	KY PETE	5W
0309	AA4LR	549	GA BILL	5W
0310	VE1MT	559	NS LAYTON	5W
0312	NB0W	559	NE SCOTT	2W
0313	WD4MSM	599	IN BARRY	5W
0315	N5JI	559	TX RICH	5W
0315	NQ7X	559	AZ FLOYD	5W
0316	W2XN	559	FL FRED	5W
0319	N4XXR	569	GA JON	4W
0326	W4NJK	559	CA CHARLIE	5W
0332	VE5RC	559	SK BRUCE	5W
0341	AL7FS	559	AK JIM	5W
0352	N0HRL	559	MN KEN	5W
0355	VA6RF	559	AB EARL	5W
0400	N6WG	599	CA BOB	5W

Date: Fri, 24 Aug 2001 15:19:47 -0500
 From: Nick Kennedy <nkennedy@tcainternet.com>
 To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
 Subject: [105661] RE: Adding a BFO to a RCVR
 Message-ID: <01C12CB0.36E925C0.nkennedy@tcainternet.com>
 MIME-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"
 Content-Transfer-Encoding: 7bit

Whoa! A minimum step of 1 kHz? You sure can't blame the BFO for the problem there!

72--Nick, WA5BDU

-----Original Message-----

From: Bob [SMTP:ara1@trsvr.tr.unisys.com]

The Ten-Tec bfo does work to some degree. The IF is 455KC, but when you have it setup for LSB on one station as you tune up the band you need to readjust the bfo for each station you hear. I'm sure that this is because the DX-399 minimum frequency resolution is 1 KHz.

Date: Fri, 24 Aug 2001 16:17:33 -0400 (EDT)
From: n2go@arrl.net
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [105662] Re: Trade 40673 for MAX232
Message-ID: <Pine.LNX.4.21.0108241617030.1268-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks. I have the ic's (only needed two)

73,

Jim (n2go)

Date: Fri, 24 Aug 2001 13:21:06 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Elecraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@egroups.com>
Subject: [105663] New K1 and K2 Option Pictures
Message-ID: <3B86B732.1ED24B6C@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We have added pictures for all of our options to our K1 and K2 pages at:

http://www.elecraft.com/k1_page.htm
http://www.elecraft.com/k2_page.htm

73, Eric WA6HHQ

Date: Fri, 24 Aug 2001 15:22:32 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>

To: "'w6toy@erols.com'" <w6toy@erols.com>, Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Subject: [105664] RE: Adding a BFO to a RCVR
Message-ID: <01C12CB0.9906A3E0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I think it was more related to the era. In the 60's, they started making cheaper, junkier stuff with space age styling and chrome, plus transformerless power supplies and regen BFOs. In the 40's and 50's, they built 'em better. I believe the S-40 had a real (and decent) BFO.

72--Nick, WA5BDU

-----Original Message-----

From: Bruce Muscolino [SMTP:w6toy@erols.com]
Sent: Friday, August 24, 2001 1:46 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Adding a BFO to a RCVR

The low end Hallicrafters all used IF regeneration for their BFO's. The only one that had a real BFO was the original S-38!

73

Date: Fri, 24 Aug 2001 15:24:02 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [105665] RE: Slingshots
Message-ID: <01C12CB0.CE6CFD40.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Well, "paid political ads" on QRP-L usually make me mad, but I can't even figure out what this one is supposed to be about.

All for the better, I guess.

72--

-----Original Message-----

From: Bruce Muscolino [SMTP:w6toy@erols.com]
Sent: Friday, August 24, 2001 1:30 PM
To: Low Power Amateur Radio Discussion

Subject: Re: Slingshots

Just another example of selective Democratic politics! Don't even go to where Gary Condit lives!

73

Date: Fri, 24 Aug 2001 15:34:23 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105666] RE: Adding a BFO to a RCVR
Message-ID: <01C12CB2.40FCE180.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Thanks, Joe. Is that guaranteed to be the problem? I was kinda thinking maybe 120 Hz power supply ripple was modulating the local oscillator.
Guess I should look at it on a scope.

Seems like some older receivers with just AM detectors but with real BFOs did alright. I'm thinking of ones like the S-40 and even the old S-20R.

72--Nick, WA5BDU

-----Original Message-----

From: n2cx@voicenet.com [SMTP:n2cx@voicenet.com]
On the
other hand a simple diode detector will provide undistorted beat note
outputs over
a much smaller dynamic range. Thus you have to adjust both the receiver RF
gain
and maybe BFO level to stay within the right range.

Date: Fri, 24 Aug 2001 16:06:21 +0000
From: "Steven Weber" <kdljv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [105667] Audio AGC Circuit
Message-ID: <200108242036.f70KauG18971@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi Gang,

Last night I built up a simple Audio AGC circuit which uses a LED and photoresistor as the active controlling elements. I've put up the circuit and a discription on my web page, <http://www.qsl.net/kd1jv/audioagc.html> just in case anyone wants to check it out and maybe try it themselves.

72,

Steve, KD1JV in the White Mountains of New Hampshire
"Melt Solder"
<http://www.qsl.net/kd1jv/index.html>

Date: Fri, 24 Aug 2001 16:38:37 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: puntrad@usa.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [105668] Re: HTX-100
Message-ID: <3B86BB4D.C8533069@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Juan,

Radio Shack has schematics and manuals for most of their products on their web site.

73

Date: Fri, 24 Aug 2001 16:45:12 -0400
From: "Juan Ferrari" <puntrad@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [105669] Re: HTX-100
Message-ID: <003801c12cdd\$abcba890\$5e35f2d8@juan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tnx Bruce, but I looked at RS and couldn't find the schematic. They have all the manual but the circuit.

72

Juan - KG4FSN

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>

To: <puntrad@usa.net>

Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, August 24, 2001 4:38 PM

Subject: Re: HTX-100

> Juan,

>

> Radio Shack has schematics and manuals for most of their products on
> their web site.

>

> 73

>

Date: Fri, 24 Aug 2001 16:46:14 -0400

From: Bruce Muscolino <w6toy@erols.com>

To: "nkennedy@tcainternet.com" <nkennedy@tcainternet.com>

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [105670] Re: Adding a BFO to a RCVR

Message-ID: <3B86BD16.1535D023@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Well, the S-38A came out in about 1949! The system was used on all AC-DC sets, principally the S-39A, B, C,, D, E and its relatives. Some were pretty good. Mine didn't have much trouble copying CW unless it was practically next door! Others had some problems. A whole lot of information can be found on the Hallicrafters site. They're good guys! The S-40 series had real BFOs!

73

Date: Fri, 24 Aug 2001 17:13:25 -0400

From: "Bill, N4QA" <n4qa@hotmail.com>

To: qrp-l@Lehigh.EDU

Subject: [105671] Re: Adding a BFO to a RCVR

Message-ID: <F22dqBHksQ6KLV47ozI0000a78b@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

The HW-7 (Heathkit QRP XCVR of old) makes a dandy external 'RF' BFO. The stock HW-7, as a receiver, ain't so hot unless the bands ore WIDE OPEN anyhow so we might just as well use the thang as a BFO... If you don't mind another piece of gear on your table, just set an HW-7(receive mode only) near your 'BFO-less receiver'...then again, you might have to provide some separation between 'BFO' and receiver...the HW-7's VFO (Our RF BFO) really has the output :) Ya do have to re-tune it each time you move up/dn in freq with your 'BFO-less receiver'. Anyhoo, it works quite well on 40, 20, 15 and 10 meters (harmonics of 7 mHz). Only a slight bit of drift is apparent on ten. Other stuff works, too. QRP/QRO rigs (turned way down) into a dummy load. Fixed frequency operation with a crystal oscillator... Some methods are a little less convenient than others :)

73.
Bill, N4QA

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Fri, 24 Aug 2001 17:16:06 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: "John Mc Donough" <jpm1@bellatlantic.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [105672] Re: 40673 Caution: techno-babble
Message-ID: <005e01c12cfb\$41352560\$b7e0d73f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: John Mc Donough <jpm1@bellatlantic.net>
To: nn1g@earthlink.net <nn1g@earthlink.net>; Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Friday, August 24, 2001 11:46 AM
Subject: Re: Where to find a 40673? ...and learning how to fish

Dave Benson, if it is not too far off topic, could you please elaborate just a little bit, or provide a few pointers (books/urls) on this arrangement. I

searched Google for 'cascode' and found a short article on 'cascode for power amps' by Norman Pass,
<http://www.passlabs.com/articles.htm> (an audio application article)

which helps a bit. He describes the two BJTs in his diagram as a gain device (Q1) and a second transistor in the common base mode ..In your description, is the JFET the gain element or the voltage fixing element ?

I am picturing the circuit as (amplifier version)
signal to JFET gate
+V to BJT collector
BJT emitter connected to JFET drain
BJT base connected to ground through capacitor
FET source grounded.

John- guess I volunteered for this one!

Bingo! :-)

Both devices may be bipolar transistors or FETs, but what you describe closely mirrors the workings of the 40673. As a practical matter, the FET gate will have a large shunt resistance to ground; since it doesn't draw current, the gate DC bias is set to 0V. The FET source will typically connect to ground through several hundred ohms of resistance. This has the effect of biasing the source above the gate, i.e., negative, to set operation in the linear region. The FET source resistance may be AC bypassed.

The BJT base will indeed be grounded for AC through a capacitor (for an amplifier configuration) and a resistive divider sets the DC bias for that device.

The cascode amplifier configuration is used where high gain at high frequency is needed. For a single-transistor amplifier, the 'spoiler' is parasitic capacitance between collector-base or drain-gate. This parasitic capacitance is effectively multiplied by stage voltage gain ("Miller-effect capacitance") and at high enough frequencies, dominates the amp behavior. Stability problems- bad news. The cascode virtually (I love that word!) eliminates this effect. Since the BJT base is AC-grounded, the BJT emitter (and hence the FET drain) 'wiggles' only a few mV (based on base-emitter junction characteristics). The Miller-effect capacitance is reduced to a very small value across the FET- in effect, the cascode input and output are quite well isolated from one another. FWIW -When you see a single-transistor amplifier used for VHF/UHF, it's often in the grounded-gate/base configuration- and for the same reason.

73- Dave

Date: Fri, 24 Aug 2001 14:37:46 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@egroups.com>
Subject: [105673] KC4USV Antartica Operating Schedule 8/25/01
Message-ID: <3B86C92A.9036F7FB@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

----- Original Message -----
Subject: [Elecraft] KC4USV Operating Schedule 8/25/01
Date: Fri, 24 Aug 2001 16:13:07 -0400
From: "Veatch, James C. (JCV)" <JCV@arinc.com>
Reply-To: "Veatch, James C. (JCV)" <JCV@arinc.com>
To: "'elecraft@qth.net'" <elecraft@qth.net>

Hello Everyone,

Excellent night last night I worked 63 stations in 2 hours. The K2 does a great job, looking forward to the KPA-500. I hope that I'm getting more experience working that side of a pile-up.

We will try to set up the FT-100/Triton station and get on the air during lunchtime 0000z-0100z listen around 14243 kHz.

I'll work some CW this evening between 0500z and 0600z. Listen at 14040 kHz.

Propagation has been good, Hope to hear you tonight.

Jim WA2EUI

Date: Fri, 24 Aug 2001 17:07:35 -0500
From: "George, W5YR" <w5yr@att.net>
To: n4qa@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [105674] Re: Adding a BFO to a RCVR
Message-ID: <3B86D027.ABB434A3@att.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill, now that you mention it, I can recall using a BC-221 Frequency Meter as an RF BFO many many years ago. Worked well, too, and gave a pretty good indication of signal frequency. In my shack in 46-49 (left for college) I used the 221 as a CW signal monitor and a way to keep my homebuilt VFO within the bands.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

"Bill, N4QA" wrote:

>

> The HW-7 (Heathkit QRP XCVR of old) makes a dandy external 'RF' BFO.

Date: Fri, 24 Aug 2001 18:08:43 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <nkennedy@tcainternet.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [105675] Re: Slingshots
Message-ID: <006c01c12ce9\$803bf660\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce was responding to my poster about California vs Mass and restrictions that 'may' be in place with regard to spud guns (used as a line launcher).

Sometimes there is a need to quote more!

Mike

----- Original Message -----

From: Nick Kennedy <nkennedy@tcainternet.com>

> Well, "paid political ads" on QRP-L usually make me mad, but I can't even figure out what this one is supposed to be about.

>

> All for the better, I guess.

>
> 72--
>
> -----Original Message-----
> From: Bruce Muscolino [SMTP:w6toy@erols.com]
> Sent: Friday, August 24, 2001 1:30 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Slingshots
>
> Just another example of selective Democratic politics! Don't even go to
> where Gary Condit lives!
>
> 73
>
>

Date: Fri, 24 Aug 2001 18:31:33 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: Mike Czuhajewski <wa8mcq@erols.com>
Cc: <qrp-1@lehigh.edu>
Subject: [105676] Re: QRPer N3CDR a silent key
Message-ID: <Pine.BSF.4.33.0108241824440.69678-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I also knew Herb Ley, N3CDR quite well. He was also a Member of The Maryland Milliwatt Club. He was also friends with many of the Old Timers of Radio. Including many of the Local Club, the name of which escapes me at the moment. We met at VITRO in Rockville. I agree with Mike, Herb was a real Gentleman and will sure be missed.

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Notary Public and Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Fri, 24 Aug 2001 18:33:07 -0400
From: Dave Fouchey <dafouchey@home.com>
To: nkennedy@tcainternet.com, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [105677] What about Twinax as Balanced Feeders?
Message-ID: <4.1.20010824183029.009b83a0@localhost>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

In all this brouhaha over double run coax nobody seems to have mentioned
Twinax to bring your balanced feeders inside, anyone use it for that, and
can you comment? I happened across a 500 foot roll that was going to be
tossed and was wondering about it.

73's
Dave
WA4EMR/8

At 08:45 PM 8/23/2001 -0500, Nick Kennedy wrote:
>How about that? I just assumed they'd have to be in intimate
>contact--taped together or something.
>
>72--Nick, WA5BDU
>
>-----Original Message-----
>From: George, W5YR [SMTP:w5yr@att.net]
>
>And the two coax can run anywhere you need to get from Point A to Point B.
>In other words, the spacing between the two coaxes does not enter into the
>operation of the line. They do not have to be tied together or whatever.
>

End of QRP-L Digest 2291

